1630455241-St. Chir East St. Lais/East lais Aring Sele r Cond / Technical Bysets

Lead Contamination Delineation Report and Removal Action Work Plan East Saint Louis Awning, Site 160 LPC # 1630455241

Prepared for:

Illinois Environmental Protection Agency
Bureau of Land
Remedial Project Management Section
1021 North Grand Avenue East
Springfield, Illinois 62794-9276

Prepared by:

Bodine Environmental Services, Inc. 5350 East Firehouse Road Decatur, Illinois 62521 1-800-637-2379

> September 2002 BES Project #112025

> > OCT 1 1 2002 COLLINSVILLE OF.



TABLE OF CONTENTS

1.0	Site History and Background	1
2.0	Executive Summary	3
3.0	Contamination Delineation Investigation	5
4.0	Data Collection	8
5.0	Data Evaluation and Recommendations	10
6.0	Removal Action Implementation	1:
7.0	Removal Action Completion Objectives	14
	APPENDICES	
	Background Documents	Appendix A
	Aerial Photographs	Appendix B
	Maps	Appendix C
	Investigation Figures	Appendix D
	Removal Action Figures	Appendix E
	Laboratory Analysis Reports	Appendix F
	Statistical Evaluation Sheets	Appendix G
	Field Data Sheets	Appendix H
	Property Access Surveys	Appendix I

1.0 Site History and Background

The United States Environmental Protection Agency (U.S. EPA) Region V established a geographic initiative to look at regional environmental issues in the East St. Louis Area. This initiative was started in 1992 in an effort to review the work being performed in the area by State and Local Agencies and to evaluate ways that they could bring additional Federal Resources to the area to address environmental issues.

One of the most significant issues that resulted from this initiative was the discovery that one out of every four school age children, ages 5-12, were shown to have elevated blood lead levels. Elevated lead levels were found in paint on and surrounding residential structures and in residential and industrial soils.

In February of 1999, the U.S. EPA Region V met with all the local and state agencies that had a stake in the East St. Louis lead issue and the East St. Louis Lead Collaborative was formed. In 2001 it was decided to change the name of the group to the Metro East Lead Collaborative to illustrate the shift from focusing exclusively on East St. Louis to focusing on East St. Louis, Washington Park and other surrounding communities that are addressing similar lead issues (see list of Metro East Lead Collaborative Stakeholders in Appendix A.).

In the spring of 1999, two simultaneous actions took place in East St. Louis. The first action consisted of performing Phase I Environmental Site Assessments on 20 Industrial Properties within East St. Louis to investigate the possibility of elevated levels of lead in soil of former industrial sites and surrounding residential properties (see list of properties in Appendix A). The second action consisted of the blood lead level sampling of school age children in numerous East St. Middle Schools. This activity was performed by St. Mary's Hospital in cooperation with several local Health Departments.

In February of 2002, the U.S. EPA Region V, requested that the Illinois EPA perform further site assessment and elevated lead in soil removal on two of the 20 properties identified as possible cleanup candidates (see U.S. EPA Letter dated February 14, 2002 in Appendix A). These sites are Adept Tool and East St. Louis Awning.

The East Saint Louis Awning Company was located on the northeast corner of the intersection of Ridge Avenue and Gray Boulevard prior to 1958. The address was listed as 1901 Ridge Avenue, East Saint Louis, Illinois. Background information suggest the facility manufactured metal awnings and other ornamental metal fabrications on the approximately 02. acre parcel. Currently a two-story brick building covers the majority of the property with a small area of grass at the west end of the building and along Ridge Avenue. According to previous documents, the property is currently used for residential purposes with several apartments.

Another facility in the area was Gateway Paint Manufacturing Company (Gateway). The address of this facility was listed as 1925 Ridge Avenue, East Saint Louis, Illinois. Gateway is assumed to have been located in the abandoned facility on the northwest corner of Trendley Avenue and Wimmer Street, just Ease of the East Saint Louis Awning Company. It has been reported that the current owner was not aware of such past use and reported the facility to be used for dairy processing and tractor truck parking/storage. Gateway is approximately 1.0 acre paved facility with two large deteriorated buildings. Evidence of illegal dumping was observed throughout the site.

Residential land use is the dominant land use around the facilities, with commercial uses along State Street to the North. Several multi-family dwellings were observed and several homes beyond repair were scheduled for demolition by the city.

Previous documents, generated under the direction of U.S. EPA Region V, have labeled this site as Site 160 and Site L.

2.0 Executive Summary

Under a contract amendment to the Illinois Environmental Protection Agency Corrective Action Contractual Services Agreement #HWA-9305, Bodine Environmental Services, Inc. (Bodine) was tasked to prepare a Delineation Sampling Plan, Delineation Field Effort, Project Summary, Scope of Work for Removal, Cost Estimate for Removal, Work Plan for Removal and Health and Safety Plan for removal of lead contaminated soils. This document combines all of the project deliverables into one document, Lead Contamination Delineation Report and Removal Action Work Plan, East Saint Louis Awning, Site 160.

Bodine conducted a site visit and discussed various approaches with Illinois Environmental Protection Agency (Illinois EPA) representatives at which time a delineation investigation utilizing Bodine staff, Illinois EPA staff and Illinois EPA XRF equipment seemed to provide the most efficient use of limited resources. Bodine obtained aerial photographs with property boundaries and tax parcel identification numbers from Illinois EPA representatives along with a list of names and addresses corresponding to the tax parcel identification numbers. Bodine developed a CADD map utilizing the above information and overlaid a spatially weighted sampling grid as part of the systematic planning process identified in the U.S. EPA guidance document "Data Quality Objectives for Superfund."

After finalizing the grid size and application, the delineation sampling was conducted on May 20 through 23, 2002. Based upon review of the data points, over 1300 separate data points were collected, analyzed, reported and evaluated as part of this four-day field effort. Samples results were grouped into three primary categories: <400 parts per million (ppm) of lead, 400 ppm to 1,000 ppm of lead; and, > 1,000 ppm of lead. These categories were established based upon the 400 ppm of lead in soil Residential Cleanup Objective established under the Tiered Approach to Corrective Action Objectives (TACO) and the Illinois Department of Public Health Lead Based Paint Cleanup Objective of 1,000 ppm of lead in soil. It should also be mentioned the U.S. Housing and Urban Development Residential Cleanup Objective is 2,000 ppm of lead in the soil.

Utilizing the systematic field screening approach generated sufficient data points for each parcel to allow the use of a statistical evaluation of the measured concentrations by Illinois EPA toxicologists. As a result of the statistical evaluation, nineteen parcels with concentrations of lead in the soil reported at greater than 400 ppm were determined to be below the human health risk threshold when evaluated in a data set containing the other sample results from that parcel. Significant resources have been conserved through the utilization of the delineation sample effort, systematic sampling approach and the statistical evaluation of the data sets.

Based upon the consultation with Illinois EPA representatives, Bodine prepared CADD Maps identifying the sample results in the categories of 400 ppm to 1,000 ppm of lead in the soil and greater than 1,000 ppm of lead in the soil. These figures were then utilized to estimate the locations, area and volume of contaminated soil for removal. Estimates were prepared assuming an eighteen (18) inch excavation depth to provide a cost estimate for Illinois EPA.

3.0 Contamination Delineation Investigation

An initial site visit was conducted to discuss project objectives with Illinois EPA representatives, obtain historical information about the areas, assess the condition of the properties, assess accessibility of the properties and finalize the overall project goals. During the initial site visit, Illinois EPA indicated availability of the XRF Field Screening device. As a result, Bodine presented options taking advantage of the availability of the XRF and associated Illinois EPA personnel. After the initial discussions, Illinois EPA determined the field screening effort, as part of the Work Plan development, provided the most technically defensible and cost efficient manner to prepare the cost estimate for the removal action.

Illinois EPA provided background information, aerial photograph/tax records from the tax assessor's office, obtained access from properties owners and prepared fact sheets for the Contamination Delineation Investigation. Bodine completed an evaluation of the data and prepared a list of tax parcel numbers with corresponding names, street addresses, data access obtained and notes for use by Illinois EPA representatives to obtain access agreements. Following the assessment of the scope of the investigation, Bodine utilized the information provided by Illinois EPA to develop a Computer Aided Drafting Document (CADD) map, see Appendix B. A site-specific evaluation was conducted by Bodine using the "Data Quality Objectives Process for Superfund," U.S. EPA, 1993 as a reference.

State the Problem

Elevated blood lead levels in children were identified as a geographical health problem in the Metro East Saint Louis Area. Supplemental investigations identified elevated lead concentrations in surface soils associated with this facility. A removal action is planned and ar accurate cost estimate needs to be prepared.

Identify the Decision Rule

Determine areas exceeding the Illinois EPA, 35 Illinois Administrative Code (IAC) 742, Tiered Approach to Corrective Action Objectives (TACO), Tier I Residential Soil Remediation Objectives.

Identify the Inputs to the Decision

- 1. Concentration of Lead in the surface soils.
- 2. Measure concentration using an XRF.
- 3. Action levels are established by TACO at 400 ppm, Illinois Department of Public Health at 1,000 ppm and U.S. Housing and Urban Development at 1,200 ppm.

Define the Boundaries of the Study

Spatial

- 1. The boundaries of the study are established by the Illinois EPA based upon previous data collected by the USEPA, tax assessor records and property owner's permission.
- 2. The surface soils (0-6 inches).
- 3. Grids must be established to spatial cover the areas and include sufficient data points for statistical evaluation of properties based upon ownership.

Temporal

- 1. The removal action is planned to occur in the earlier to late fall of 2002; therefore, the cost estimate needs to be completed by July 2002.
- 2. Using XRF as a field screening tool for lead does not represent holding time problems because lead is stable in soil.
- 3. Access issues represent the most significant limitation of the study.

Develop a Decision Rule

- 1. If lead contamination is equal to or greater than 400 ppm, then the parcel requires further evaluation to determine if the potential exposure from that property represents a risk to human health.
- 2. If one or more surface soil samples in an individual parcel exceeded a concentration 650 ppm of lead then the parcel was not subjected to a statistical evaluation. The parcel was included in the recommendation for removal action.

Specify Limits on the Decision Errors

- The possible range of lead contamination in surface soils is estimated to be between 11 ppm and 3,500 ppm.
- 2. Laboratory analysis of duplicate surface soil samples will be conducted to determine the empirical relationship between the XRF data and fixed laboratory or definitive results.
- 3. Spatial review of structures, driveways and other site related features prohibiting collection of surface soil samples resulted in the establishment of 10 feet by 20 feet grids oriented with each property, from the tax assessors' aerial photograph.
- 4. A bias for false positives is accepted.

Optimize the Design

- 1 The proposed sampling grid for the site is included in Appendix B. This figure represents the optimized sample collection design.
- 2. Site-specific adjustments to the sampling grid may be required in the field as a result of unobserved site features, access restrictions, inability to obtain owner permission and availability of homeowners to unlock fences and gates.

4.0 Data Collection

On May 21, 2002, the Field Sampling Team (FST) arrived on site. A brief site safety meeting was conducted. Locations and parcels were confirmed with Illinois EPA representatives and the process of laying out grid lines and marking sampling locations was initiated.

Sample grids were established using pre-measured and marked ropes. The ropes were marked in 10 feet and 20 feet increments, consistent with the established grids. Property lines were established in the field using the maps, aerial photographs, foundations, driveways, site utilities and fences. As the grid was established for each property or parcel, marking paint was applied to the surface soil at the location where a sample was to be collected. The grids were labeled using a combination of letters and numbers to insure the sample points would be correctly identified.

Following the marking of sampling locations, two FST members utilized pre-made Field Data Sheets, see Appendix E, for specific parcels. At each of the sample locations, the sample team removed the organic matter from the surface and collected a soil sample from the O-6 inch interval. The soil was placed into a PTFE baggy and the grid identification letter and number were placed on the bag. After collection of all of the samples for a specific parcel, the individual bags were placed into a larger PTFE bag that included the field data collection sheet with the corresponding parcel number and address.

Each of the parcel specific bags was then transferred to the Illinois EPA representative using the XRF. Each sample collected was analyzed using the XRF and the corresponding concentration was recorded on the Field Data Sheet. Throughout the analysis process, Illinois EPA recorded the continuing calibration standard results on the Field Data Sheets.

After the field screening, samples with concentrations of lead in the soil close to the Action Level were submitted for fixed laboratory analysis by the Illinois EPA Division of Laboratories. The laboratory reports are contained in Appendix D. An evaluation of the fixed laboratory reported results and the XRF reported results was conducted to assess the correlation between the data sets. While some correlation may be established for higher concentrations, there are confounding data points that can't be explained. Rather than attempting to make the data fit acceptable parameters, an assessment of the delineation investigation XRF data versus fixed laboratory data will be included in the Work Plan for the removal action.

Any parcel-specific adjustment of the initial grid sampling was confirmed with the Illinois EPA representative and documented in the figure's corresponding to the parcel locations. Reasons for adjustment of sampling grids included: chained or fenced dogs, trees, shrubs, fencing, refuse piles, concrete and failure to secure access to properties.

Field sampling activities were completed by the end of May 23, 2002. Illinois EPA continued to conduct the XRF analysis of the samples collected during the field-sampling event. Illinois EPA representatives completed the XRF analysis by June 6, 2002. Completed Field Data Sheets were forwarded to Bodine for evaluation and compilation.

Following the collection of the samples, a composite sample was collected from the areas to be representative of the waste to be removed. The equal sample volumes from each aliquot were placed into a decontaminated stainless steel pan. The soil was mixed thoroughly and placed into two 9-ounce glass jars for waste profile analysis (Illinois EPA Greer. Sheet). During the Removal Action, the waste will be profiled to Milam Landfill as a special waste, based upon the laboratory report is contained in Appendix D.

5.0 Data Evaluation and Recommendations

Illinois EPA representatives and Bodine reviewed the Field Data Sheets. Based upon consultation with Illinois EPA Toxicity Assessment Unit, a statistical evaluation of each parcel containing reported concentrations of Lead greater than or equal to 400 ppm, but less than 1,000 ppm was conducted. The tables and results are contained in Appendix C.

After all of the Field Data Sheets were collected, an independent internal review was conducted by Bodine to prioritize the data entry onto the CADD figures. Any field changes to the sampling grids were revised into the CADD figures and each grid where a sample was collected was coded based upon the reported concentration. Concentrations of lead in surface soil greater than or equal to 400 ppm, but less than 1,000 ppm were indicated with a green open circle. Sample locations with concentrations of lead in the surface soil exceeding 1,000 ppm were indicated with a red full circle. This technique was used to allow black and white photocopies to retain accurate identification of the locations exceeding the action levels.

The Field Data Sheets were organized into three categories:

No Further Action Required No concentration of lead in surface soil ≥ 400 ppm.

<u>Statist cally Eliminated</u> Concentrations ≥ 400 ppm and < 650 ppm but the average

exposure, using the statistical methods, did not exceed the

Action Level.

Removal Recommended Concentrations > 400 ppm and the average exposure, using

the statistical methods, exceeded the Action Level. Parcels with reported concentrations of lead in surface soils > 650 ppm was recommended for further action without supporting

statistical analysis.

Each parcel that was Statistically Eliminated was labeled on the CADD figures. Each parcel in the category Removal Recommended contains a blue polygon outlining the area to be excavated. The area to be excavated was developed by reviewing the data points surrounding the locations exceeding the Action Level and interpolating the excavation boundary to incorporate locations that were close to the Action Level and represent a high likelihood contamination may extend beyond the sample location in some direction.

Based upon the results of the delineation investigation and recommendations, Bodine has proposed the removal of the top eighteen inches of soil for the areas highlighted in blue on the CADD figures in Appendix B. Utilizing the options available in the CADD program, Bodine calculated the approximate volume, in cubic yards, associated with each area recommended for removal. A general estimate, to one significant digit, is 2,000 cubic yards of lead contaminated soils

6.0 Removal Action Implementation

Bodine has conducted an evaluation of the recommended removal action. In response, Bodine has proposed the following Scope of Work:

1. Site Visit/Planning Meeting

- a. Meet with Illinois EPA representatives to finalize plans and haul routes;
- b. Conduct joint meeting for JULIE to identify and confirm utility marking boundaries; and,
- c. Meet with community officials, as requested by Illinois EPA.

2. Mobilization

- a. Finalization of Removal Action documents and Site Health and Safety Plan; and,
- b. Transportation of Personnel, Equipment and Materials to Site.

3. Site Preparations

- a. Marking excavation boundaries;
- b. JULIE markings confirmed/established;
- c. Coordination of excavation activities with residents;
- d. Fence removal; and,
- e. Clearing and grubbing.

4. Removal of Lead Contaminated Soils

- a. Excavation of proposed volumes;
- b. Confirmation sampling with XRF;
- c. Fixed laboratory analysis;
- d. Manifest and Transport Special Waste to permitted disposal facility; and,
- e. Disposal of Special Waste.

5. Backfill Excavations/Site Restoration

- a. Obtain backfill material;
- b. Transportation of backfill materials;
- c. Placement of backfill;
- d. Grading, seeding and strawing of backfill;
- e. Fence replacement; and,
- f. Shrub/tree replacement as needed.

6. Demobilization

- a. Confirmation with property owners that restoration is complete;
- b. Walk through and inspection of Removal Areas;
- c. Equipment decontamination;
- d. Transportation of equipment; and,
- e. Demobilize personnel.

7. Removal Action Completion Report

- a. Draft Removal Action Completion Report;
- b. Illinois EPA Review of Completion Report;
- c. Incorporate Illinois EPA changes; and,
- d. Issue Final Removal Action Completion Report.

8. Project Management

- a. Coordination of Mobilization/Demobilization;
- b. Weekly updates to Illinois EPA Project Manager;
- c. Documentation and field notes;
- d. Documentation of field changes;
- e. Photographic documentation;
- f. Record keeping (manifests, correspondence, facsimiles, etc.); and,
- g. Final Inspections.

Based upon this Scope of Work, Bodine has prepared a Cost Estimate, submitted under separate cover, for completing each of these tasks. The following assumptions were utilized:

- 1. The removal of contaminated soils and site restoration will not exceed eight 10-hour days, which are consecutive and uninterrupted by weather or other delays.
- 2. The estimated weight of excavated material will not exceed 980 tons.
- 3. Landscape debris from chipping of cleared materials will be utilized as mulch for excavated areas or provided to residents.
- 4. Excavated materials will be transported to Milam Landfill as a Special Waste.
- 5. Replacement costs for fencing and shrubs do not exceed the costs indicated in the estimate.
- 6. Site restoration costs for materials do not exceed the costs indicated in the estimate.
- 7. Bodine has assumed the Illinois EPA will complete the community relation efforts and access agreements, with owners and residents.
- 8. The volume estimates from the enclosed figures were converted to tons using a conversion factor of 1 cubic vard equals 1.5 tons.

7.0 Removal Action Objectives

Removal action objectives for this project have been established consistent with the "Data Quality Objectives Process for Superfund," USEPA, 1993 as indicated in Section 3.0. The project goal is to remove lead contaminated surface soils exceeding the Action Level of 400 ppm for those areas recommended for remediation under Section 5.0.

A vertical depth limitation of three (3) fbgs has been included as a Removal Action Objective. This removal action objective is derived from the exposure pathway represented in the calculation of the 400-ppm Action Level. The 35 IAC 742, TACO regulations provide for an engineered barrier as part of the calculation of soil remediation objectives. The removal of lead contaminated surface soil to a depth of 3 feet and placement of uncontaminated top soil as backfill will provide the "engineered barrier" as stated in 35 IAC 742.

Therefore, the following is a statement of the Removal Action Objectives for this project:

- Remove, transport and disposed of lead contaminated surface soils as recommended for removal in Section 5.0 and indicated in Appendix B figures.
- 2. Confirmation sampling will be conducted using an XRF filed screening device to confirm the Removal Action Objectives are achieved:
 - a. Remaining lead soil concentrations below 400 ppm; or,
 - b. Excavation depth equal to or greater than 3 fbgs as measured in the field.
- 3. Restoration of site structures and restoration of excavation areas to grade with topsoil, seeding and strawing.

Appendix A

Background Documents

MELC Member Organization	ons and Eventual	Resource Continuutions
U.S. Anny Corp of Engineers (Federal/St. Louis, MO)	N/A	Technical assistance and site assessment, implemented Brownfields Showcase Community Award
U.S. Environmental Protection Agency (Federal/Chicago, IL)	NA	Facilitation and technical assistance, Grant money
U.S. Dept of Housing and Urban Development (Federal/Springfield, IL) and The Lead Hazard Control Grant Office (Federal/Washington DC)	N/A	Technical assistance, Grant money
U.S. Dept of Agriculture/Natural Resources Conservation Office (Federal/Champaign, IL)	N/A	Technical assistance, Grant money
East-West Gateway Coordinating Council (Nori -Profit)	East St. Louis	Grantee, Soil Sampling, Outreach
Enterprise Community Vision 20/20 (Non-Profit)	East St. Louis	Lead assessment, Redevelopment efforts
East Side Health District (Local)	East St. Louis	Blood lead screening, Outreach
Illinois Environmental Protection Agency Collinsville, IL office (State)	NA	Technical assistance, Outreach, Grant money
Illinois Department of Public Health (State)	NA	Grantee, Soil sampling, Blood lead screening
NEIGHBORS United for Progress (Non-Profit)	East St. Louis	Lead based paint assessments, Outreach
Neighbors Technical Assistance Center (Nori-Profit)	East St. Louis	Grantee, Outreach
Regional Vocational System (Academic)	East St. Louis, St. Clair County	Outreach
St. Louis Community College (Academic)	East St. Louis	Grantee - job training, Outreach
St. Clair County Intergovernmental Grants Department (County)	St. Clair County	Grantee, Blood lead screening, Lead assessment, Outreach
St. Mar/'s Hospital Corporate Health Center (Private)	East St. Louis, St. Clair County	Grantee, Blood lead screening, Outreach
Southwestern Illinois Resource Conservation Development (County)	St. Clair County	Grantee (biosolid remediation program)
East St. Louis Community Development Block Grant Operations, Inc. (Local)	East St. Louis	Lead assessments



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

"REGION5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF

February 14, 2002

John Sherrill Bureau of Land Illinois EPA 1201 N. Grand Avenue East Springfield, IL 62794-9276 RECEIVED
IEPA
FEB 19 2002
COLLINSVILLE OFFICE

Dear Mr. Sherrill:

Kevin Turner and I have been engaged in ongoing conversations with Tom Miller with regards to potential IEPA assistance in the lead assessment and removal activities that are being conducted by U.S. EPA in the East St. Louis area under the direction of the Gateway initiative. Towards that end, Torn has requested that we refer specific sites where your assistance can help us in assessing and remediating as many lead contaminated properties as we can.

In this light, U.S. EPA has been working with the U.S. Army Corps of Engineers and their contractor, Roy F. Weston, to complete site assessments for 13 sites in the area. These include former industrial facilities and areas surrounding these sites, some of which are residential. U.S. EPA has completed four removals in the area to date and three more are in the planning stages for spring.

Two of these sites have surfaced as potential candidates for IEPA assistance. These are: Site 121-Adept Tool, 1315 N. 18th Street and Site 160, East St. Louis Awning, 1901 Ridge Avenue. I have attached sample results from sampling conducted in the summer and fall of 2001 along with sample maps to show where the samples were collected from. I have also asked Kevin to produce estimates for site removals based on this data which are summarized below.

Sincerely yours,

Dion Nevak

Remedial Project Manager

oc: K. Turner, EPA

N. Emeric, EPA

B. Sypniewski, EPA

T. Miller, IEPA

L. Morgan, EPA

S. Doubet, IEPA

Attachments

U.S. Environmental Protection Agency Metro East Soil Sampling Work Update

Background

Due to community concerns and request, US EPA provided a grant to the Illinois Department of Public Health (IDPH) to conduct lead soil sampling in the East St Louis area from 1999-2000. The purpose of the sampling was to determine if historical elevated blood lead levels could be attributed to historical industrial sources that were identified on old insurance and sanborn maps. The IDPH sampling was designed to determine if the industrial facilities would qualify for US EPA Superfund support.

Location - The sites are located throughout the City of East St. Louis.

Site 133 - Western Forge Works

Site 147 - Carr Lead Products Company

Site 148 - Deranek and Son

Site 300 - 15th and Converse

Site 118 - Eagle Picher Lead Company

Site 154 - InterCoastal Paint Corporation

Site - Lefton Iron & Metal

Site 121 - Adept Tool

Site 136 - United Iron and Metal

Site 141 - Reese Sheet Metal Works

Site 143 - Bauer Sheet Metal Works

Site 160 - East St. Louis Awning

Site 181 - Steel Baling Company

Site 185 - Blair-Tirrell Boiler

Site 145 - Shippers Car Line

Site 157 - Republic Iron and Steel

One 151 "Trepublic from and Otes

Site 173 - Darling and Company

Site 178 - Voelker Plating Works

Site 155 - Flannery & Sons

Site 158/* 59 - Flannery Concrete

Summit Avenue & 17th Street

707 North 20th Street

51 South 10th Street

210 South 15th Street

305 St. Clair Avenue

1248 Walnut Avenue

205 South 17th Street

1315 N. 18th St.

303 S. 11th St.

206 N. 10th St.

1502 State St.

1901 Ridge

1901 Converse Ave.

815 S. 19" St.

100 Trendley Ave.

Valentine Ave.

Mississippi Ave and A & F RR

435 N. 26th St.

2105 State St.

574 N. 20th St.

Prioritization of the facilities will be based on the levels of soil contamination detected; proximity of the industry facility to more sensitive areas such as residential, park, church or school sites and proximity of the facilities to areas with known elevated blood lead. Sampling at the facilities and in the surrounding residential properties will primarily be for lead in soil although at each industrial facility, other samples will be collected and analyzed for contaminants that may be specific to the nature of the industry.

Maps

Mapping of all sampling in the area will be compiled by an EPA contractor (Tetra Tech EMI) and will include historical information and all future sampling by EPA and other entities.

Future Actions

US EPA will continue to assess and conduct soil sampling at the nineteen former industrial facilities and in the residential areas near the facilities throughout the year. Once the assessments are complete and soil sampling results are compiled, EPA will determine whether the facility and surrounding residential areas will require cleanup. Cleanup actions are expected to begin in some areas in early September 2001. Assessment on the remaining facilities will be completed once access to the industrial facilities is obtained from the current land owner(s).

Other USEPA Superfund areas in the Metro East (ongoing)

Swift Chem Ag

2501 North Kings Highway, Fairmont City
Old American Zinc

2575 North Kings Highway, Fairmont City

Clayton Chemical Company 1 Mobile Ave, Sauget

Dead Creek Removal Sauget, IL St. Louis Auto Shredding Drum Disposal Madison, IL

For more information contact

Noemi Emeric, 312-886-0995 emeric.noemi@epa.gov

Gateway Regional Team Manager

US EPA Region 5

Project Partners
US Environmental Protection Agency Region 5

Kevin Tumer, OSC 618-997-0115 turner.kevin@epa.gov
Dion Novak, Project Manager 312-886-4737 novak.dion@epa.gov
Michael Harris, OSC 312-886-0760 harris.michael@epa.gov

Illinois Department of Public Health

Dave Webb@idph.state.ii.us

Illinois Environmental Protection Agency

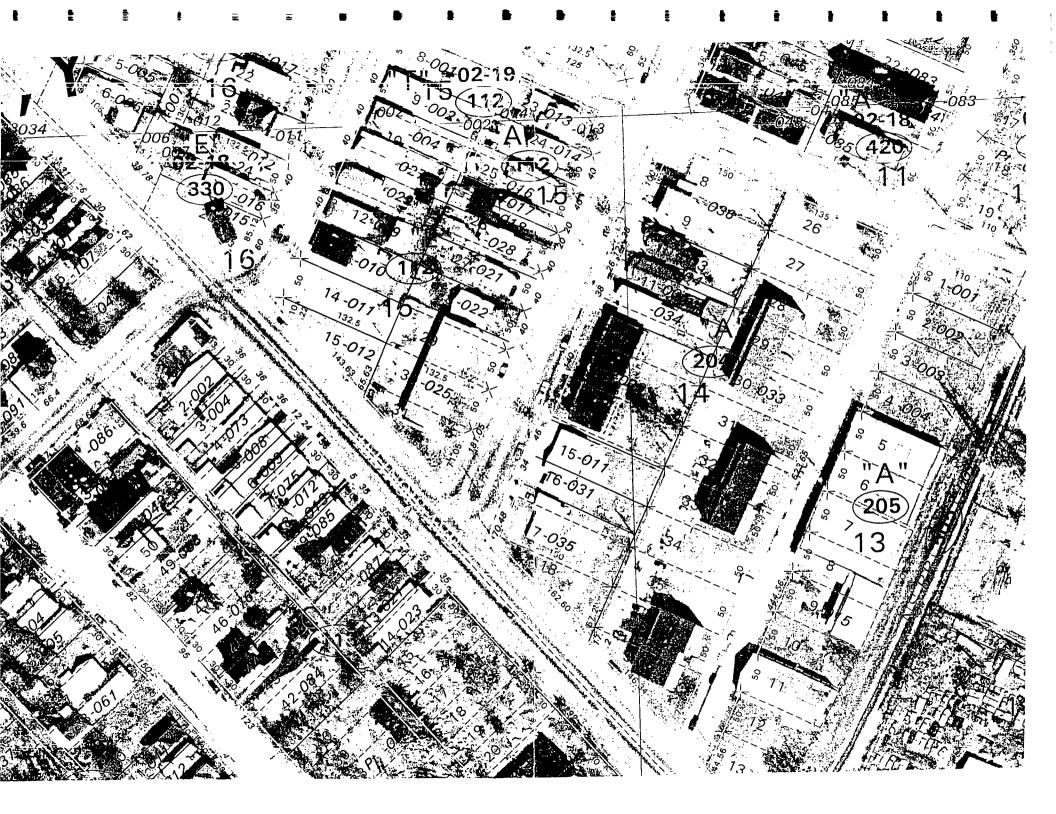
Tom Miller 618-346-5154 tom.miller@epa.state.il.us

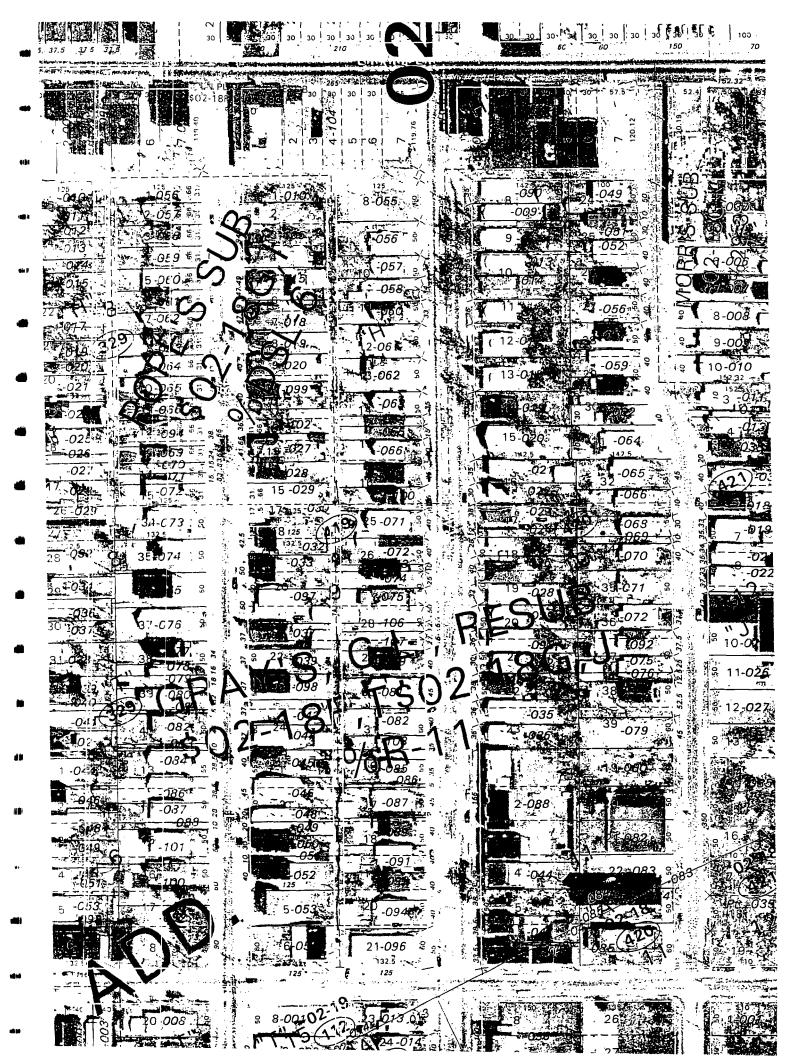
PREVIOUS COMPANY NAME:

BUREAU OF LAND INVENTORY DATA INPUT FORM						
INVENTORY # ISSUED: TRAN CODE	TRAN DATE					
1630455241 (Add) Change	1 1 100					
1 " 10 14 (CRCLE) 15	(LEAVEBLAND 20 21 2)					
010 FACILITY NAME						
East St Louis Awaing	a marine annua primire primire dell'illa marine agrico dell'illa marine dell'illa marine dell'illa dell'illa d					
	39 100 105					
JEMA INCIDENT X:	39 100 105					
020 LOCATION ADDRESS (STREET ADDRESS REQUIRED)	SEND MAIL HERE					
STREET: 1201 Ridge						
D C DC:	46					
CITY: Eq 5 f S f Couis ZIP: 6 7 7 0 /- TELEPHONE: CONTACT: C q u d a D q u is	STATE: IL					
ZIP: 6 7 7 0 1 - TELEPHONE:	74 75 76					
CONTACT: 6/9 Udia Davis						
COUNTY: 1 + C / 4 : C TOWNSHIP:	120 121					
30 OWNER ADDRESS (IF SAME AS ABOVE, L'EAVE BLANK):						
NAME: CLaudia Davis						
STRIEET: 13 10 Mississipi A	7 7					
PR POY: ESC + S + 1 0 U						
STATE: 105 106 107 106 107 TELEPHONE:	104					
105 106 107 116 118 CONITACT;	119 122 125 MAIL IND:					
126	150 131					
040 OPERATOR ADDRESS (IF SAME AS ABOVE, LEAVE BLANK):	SEND MAIL HERE					
NAME:						
STREET:						
P.O. BOX:CITY:	71					
STATE: 23P:	104					
	119 122 125					
CONTACT:	MAJL IND:					
	MAJL IND:					
CONTRACT:	180 151					
SEND FAX TO: BOLJIM PIERCE 217/782-9290 RETURN FAX #: 6/8 FROM (PRINT NAME): Ton milks	180 151					
SEND FAX TO: BOLIJIM PIERCE 217/782-9290 RETURN FAX #: 6/8 FROM (PRINT NAME): Ton mills	189 151					

Aerial Photographs

Appendix B



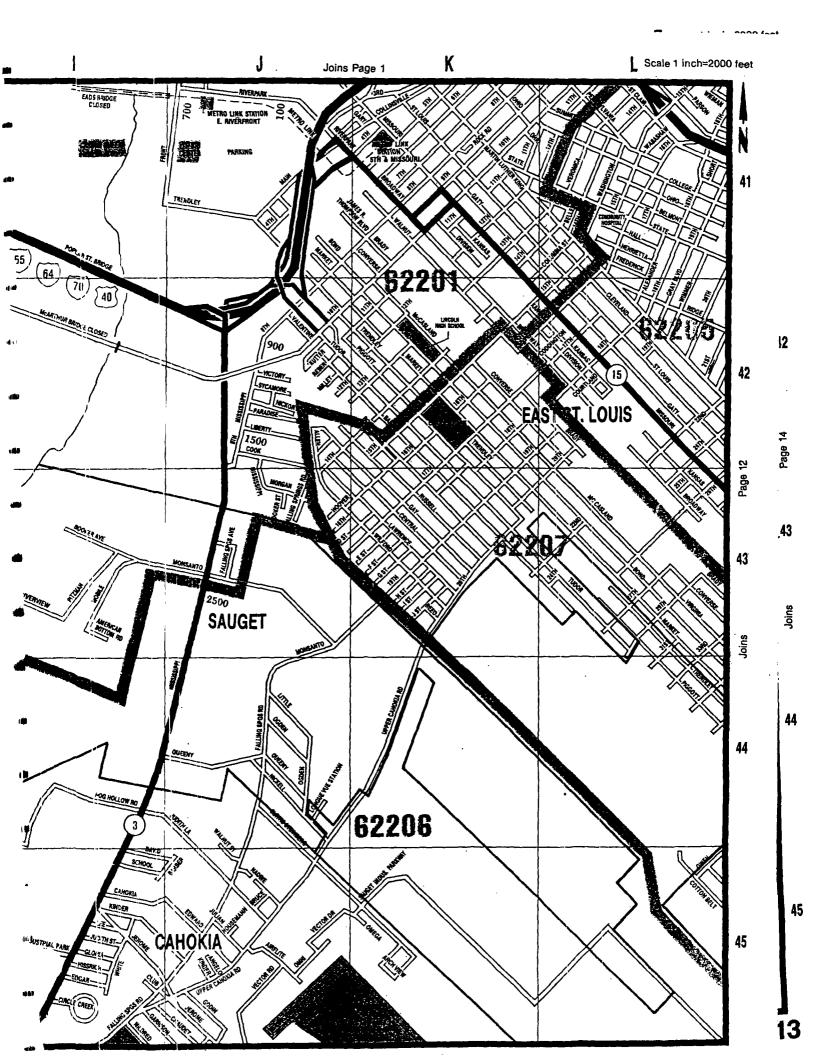


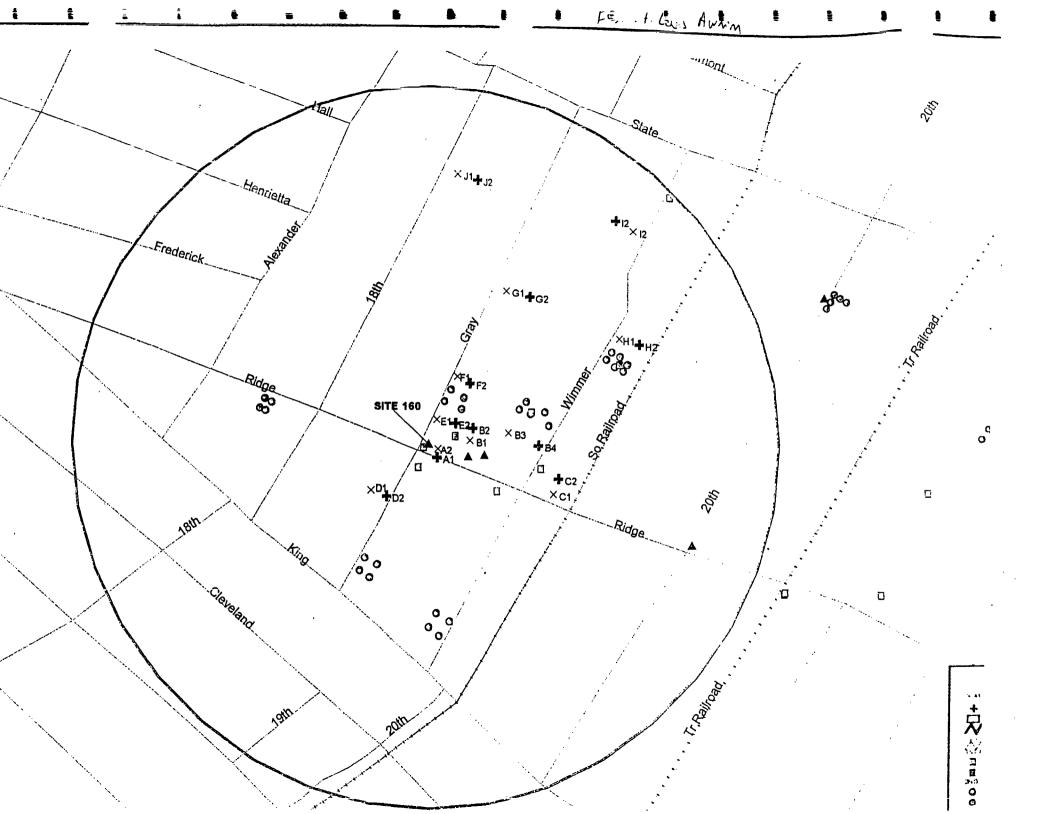


East St. Lour Awning

Appendix C

Maps

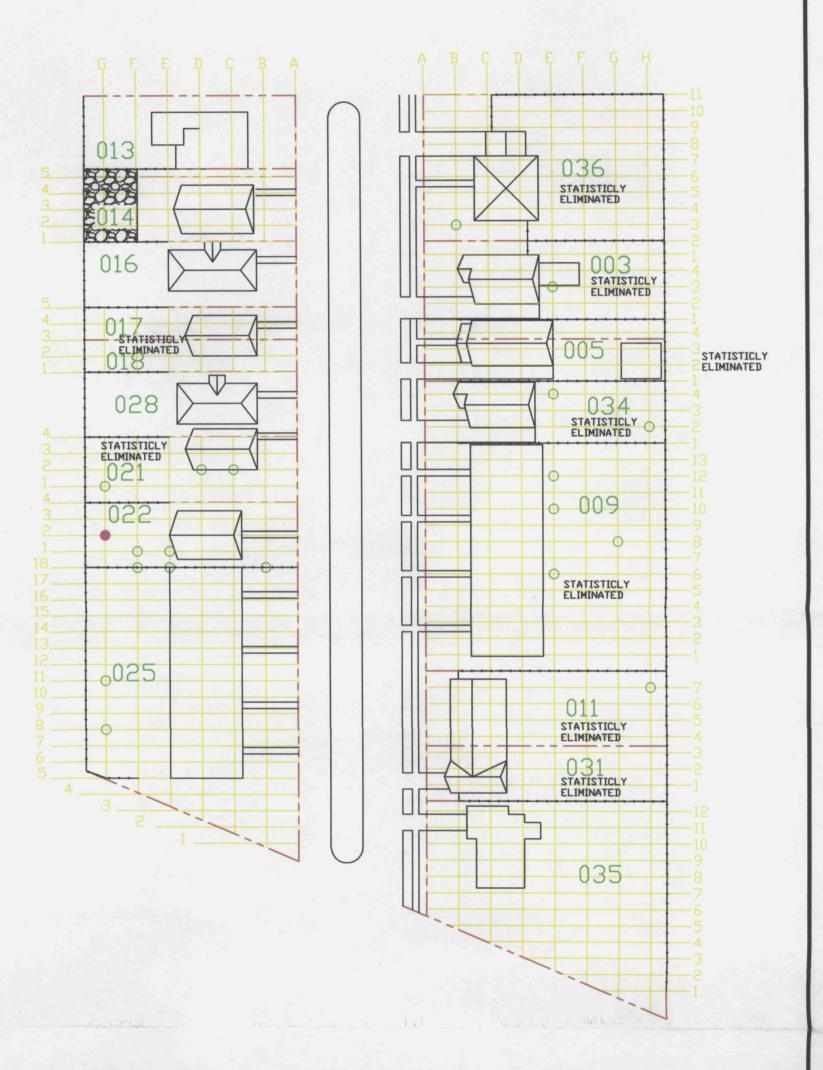




Appendix D

Investigation Figures

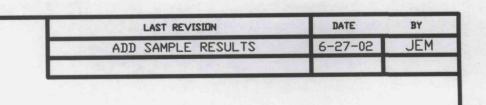
LAST REVISION	DATE	BY	
ADD SAMPLE RESULTS	6-27-02	JEM	
ADD EXCAVATIONS	7-08-02	JEM	

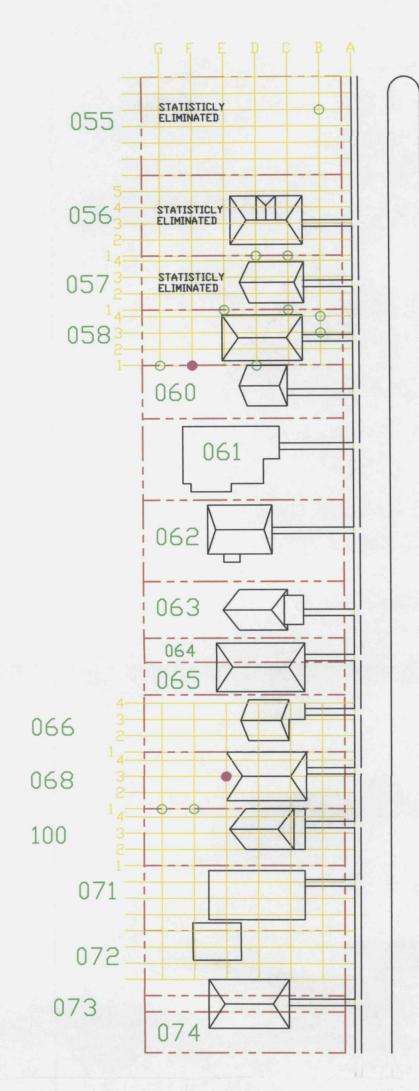


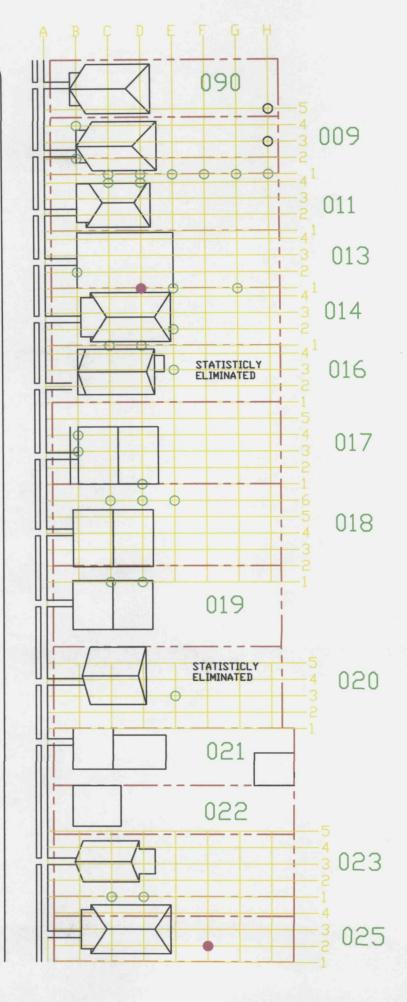
○= 400 T□ 1000 PPM

● = 1000 PPM AND UP

DODINE	30'	Scale	1" = 60'	EAST ST. LOUIS AWNING	BODINE PROJECT NO. 112025
BODINE ENVIRONMENTAL SERVICES, INC.	0	60' Drawing	# ESL1	GRAY BLVD. SAMPLE GRIDS	
	DATE: 05-16-02 DRAV	DRAWN BY: J MARTI	N Ck. by:	EAST ST. LOUIS, ILLINOIS	







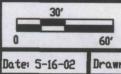
O = 1 TO 400 PPM

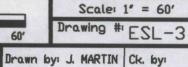
○= 400 T□ 1000 PPM

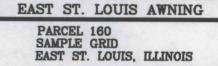
● = 1000 PPM AND UP





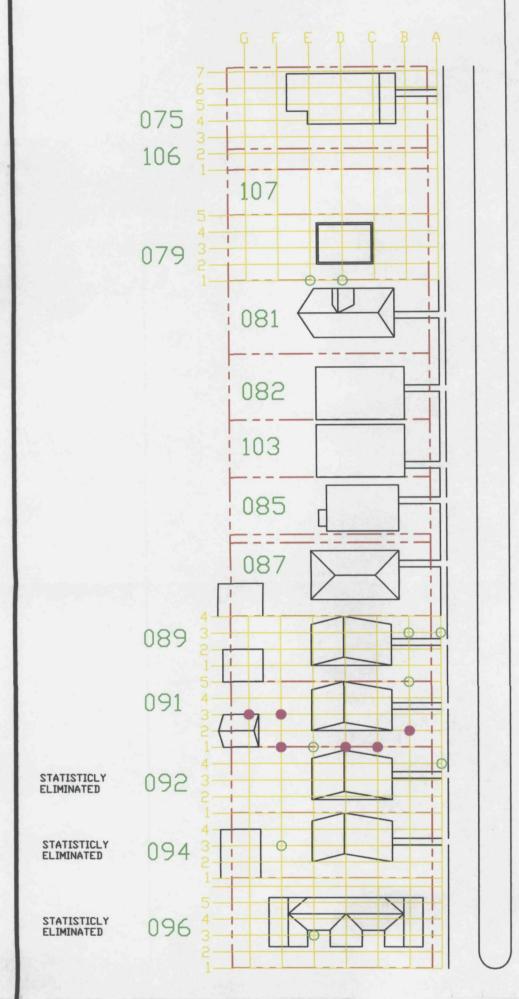


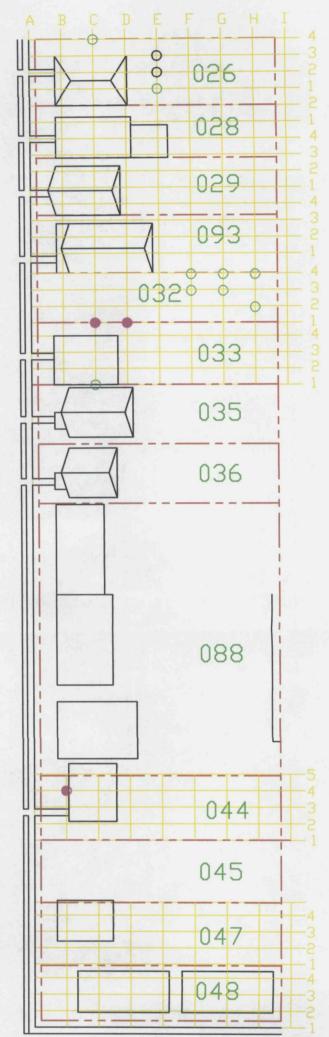




BODINE PROJECT NO. 112025

ADD SAMPLE RESULTS 6-27-02 JEM





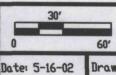
O = 1 TO 400 PPM

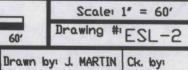
○= 400 T□ 1000 PPM

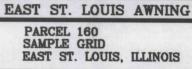
● = 1000 PPM AND UP

= TREES (TYP.)







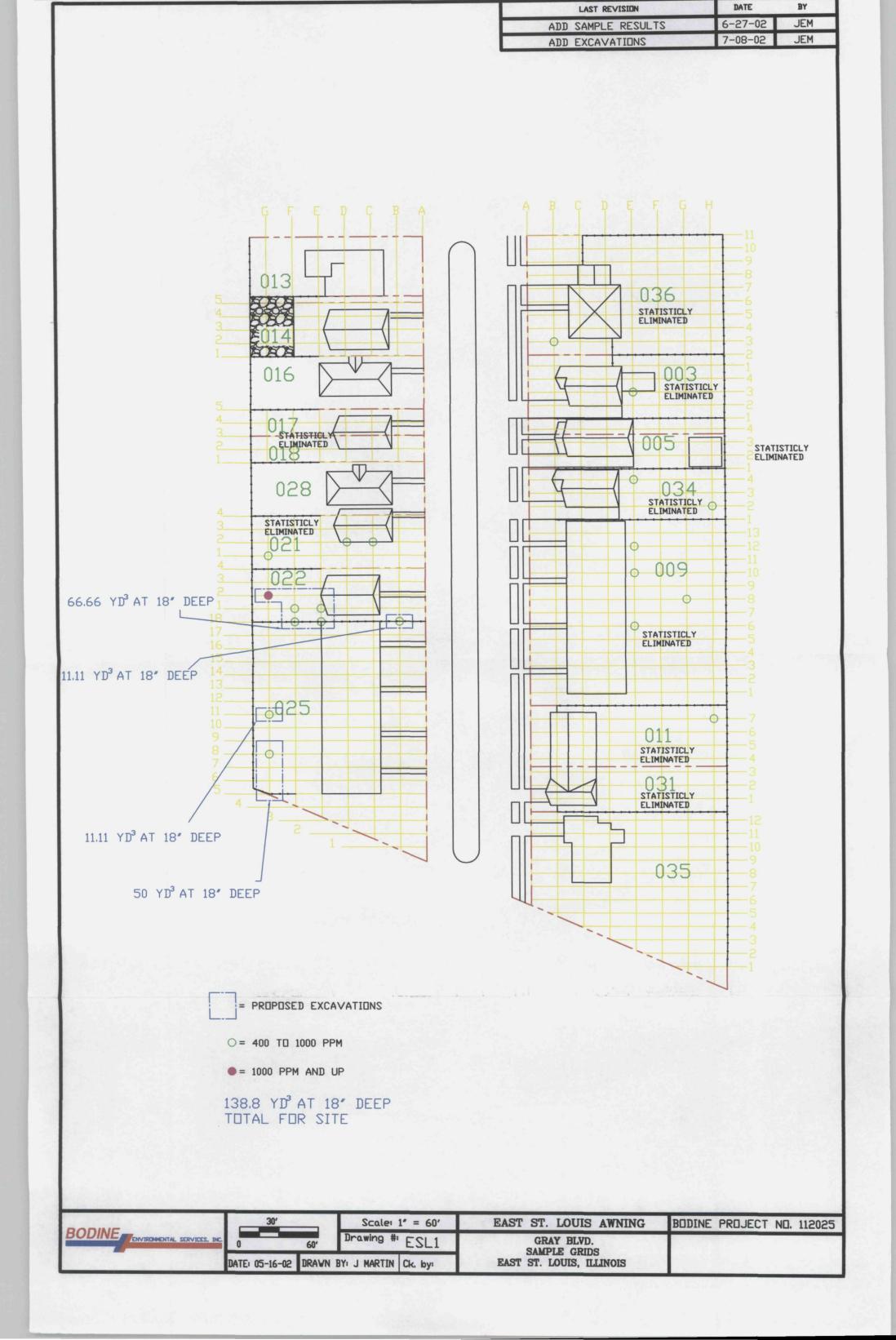


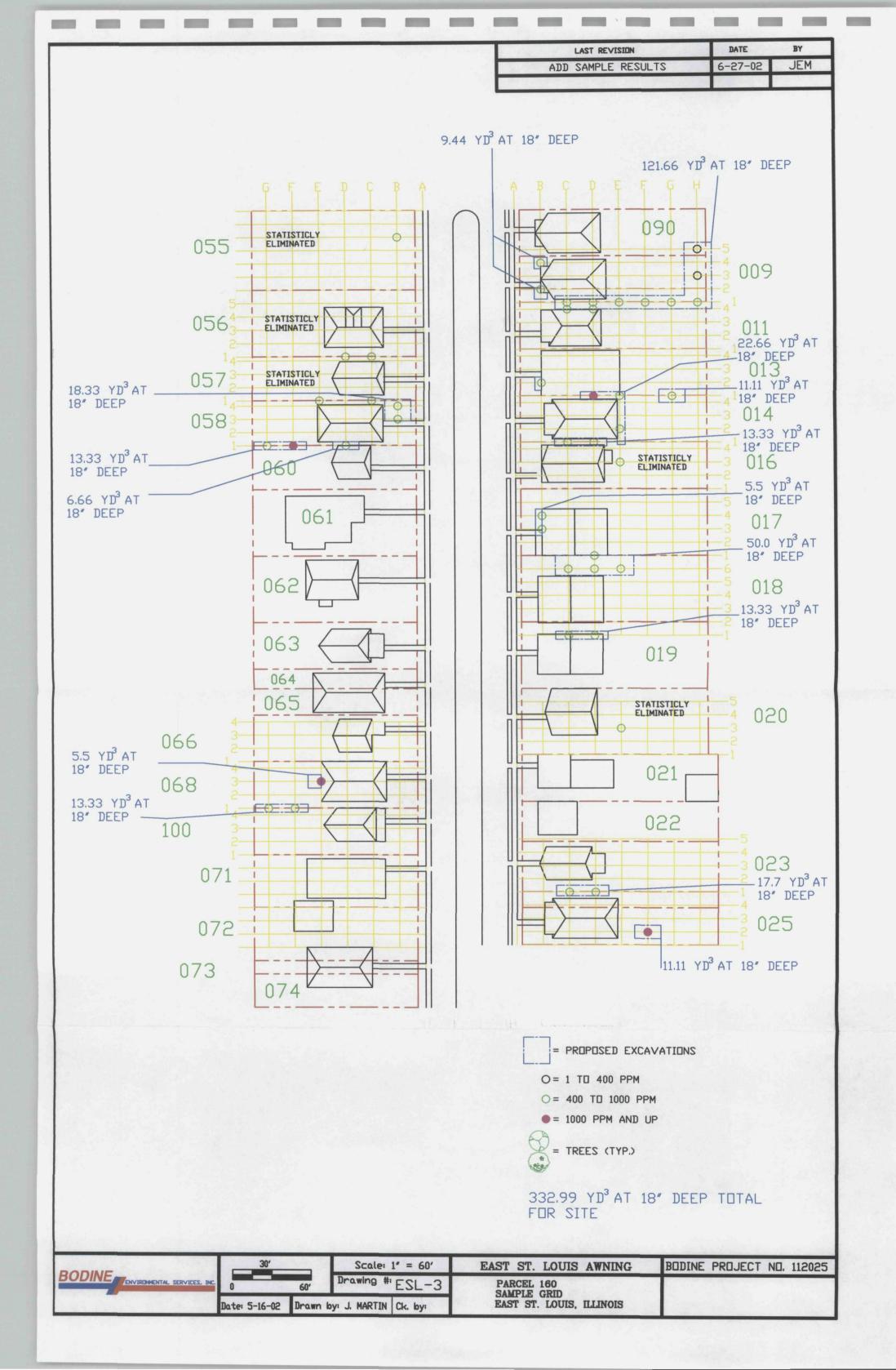
BODINE PROJECT NO. 112025

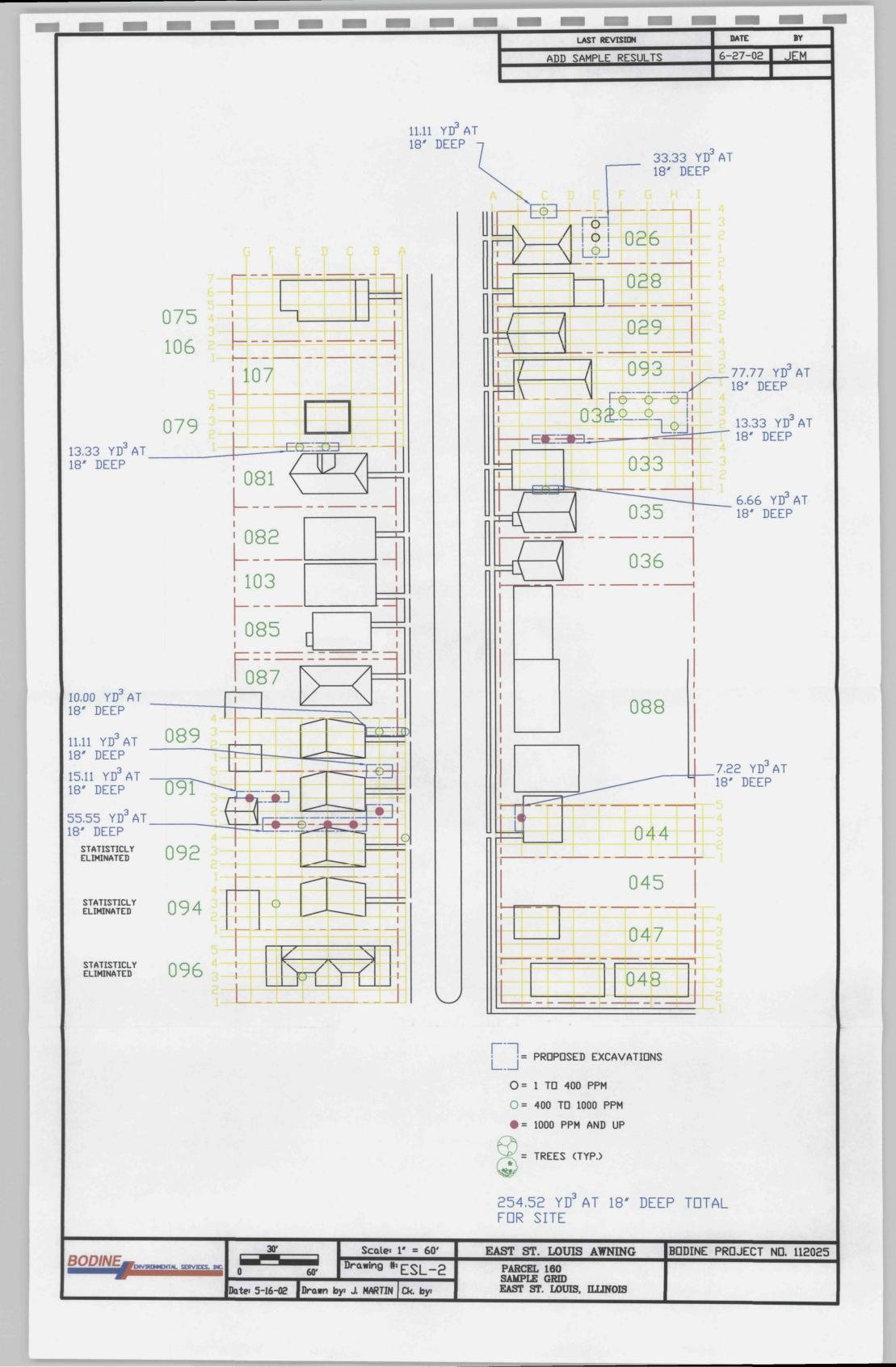
Appendix E

Removal Action Figures

M







Appendix F

Laboratory Reports



1265 Capital Airport Drive Springfield, IL 62707-8490

E-Mail: IL100323@aol.ccm

Phone: 217-753-1148

FAX: 217-753-1152

2 July 2002

Mr. Stephen Nussbaum

Bodine Environmental Services, Inc.
5350 East Fire House Road
Decatur, IL 62521

RE: PAS Project Code BES-1817

Dear Mr Nussbaum,

This report contains the analytical results for **Illinois EPA-Adept Tool & E. St. Louis Awning 112024 & 112025** samples received under chain of custody by Prairie Analytical Systems, Inc. on 28-May-02.

All applicable quality control procedures met method specific acceptance criteria.

This report shall not be reproduced, except in full, without the prior written consent of Prairie Analytical Systems, Inc.

If you have any questions, please feel free to call me at (217) 753-1148.

Sincerely,

Kent Ballard, PhD QA/QC Officer

CC: Project File

Certificate of Analysis



Bodine Environmental Services, Inc. 5350 East Fire House Road Decatur, IL 62521

1265 Capital Airport Drive Springfield, IL 62707-8490 Phone: 217-753-1148

Facsimile: 217-753-1152 E-Mail: IL100323@aol.com

Client Project:

Illinois EPA-Adept Tool & E. St. Louis Awning-112024 & 112025

PAS Project Code:

BES-1817

Sample Description:	Con-1	 	
PAS Sample Number:	02052804781	 	
Matrix:	Solid	 	
Date Sampled:	23-May-02	 	
Date Received	28-May-02	 	
Date Analyzed:	29-May-02	 	
Date Reported:	2-Jul-02	 	

Organic Compound(s) Analysis

Parameter(s)	RL / Unit	Result	Result	Result	Result	Result	Method
TCLP Volatile Organ	nic Compoun	ds					
Vinyl Chloride	0.018 mg/L	U					50308/82608(1)
1,1-Dichloroethene	0.013 mg/L	U					50308/82608(1)
Chloroform	0.005 mg/L	U					5030B/8260B(1)
1,2-Dichloroethane	0.003 mg/L	U					5030B/8260B(1)
Carbon Tetrachloride	0.012 mg/L	U					5030B/8260B(1)
Benzene	0.020 mg/L	U	_				50308/82608(1)
Trichloroethene	0.012 mg/L	U					5030B/8260B(1)
Tetrachloroe:hene	0.003 mg/L	U					50308/82608(1)
Chlorobenzene	0.020 mg/L	U			-		5030B/8260B(1)
2-Butanone (MEK)	0.020 mg/L	U		-			5030B/8260B(1)
TCLP Semi-Volatile	Organic Con	nounde					
o-Cresol	0.010 mg/L	U					8270C(1)
m-Cresol	0.010 mg/L	Ü	***				8270C(1)
p-Cresol	0.010 mg/L	Ü					8270C(1)
Total Cresols	0.010 mg/L	Ü					8270C(1)
	0.010 mg/L	Ū					8270C(1)
2,4-Dinitrotoluene	0.010 mg/L	Ü					8270C(1)
Hexachlorobenzene	0.010 mg/L	Ü					8270C(1)
Hexachlorobu:adiene	0.010 mg/L	Ü			***		8270C(1)
Hexachloroethane	0.010 mg/L	Ü					8270C(1)
Vitrobenzene	0.010 mg/L	Ü		 -			8270C(1)
	0.050 mg/L	Ŭ				***	8270C(1)
Pyridine	0.010 mg/L	Ŭ					8270C(1)
=	0.010 mg/L	Ü					8270C(1)
2,4,6-Trichlorophenol	0.010 mg/L 0.010 mg/L	U					8270C(1)
z,4,0-Thanlomphenol	0.0 TO HIG/L	U	_				02.00(1)

Certificate of Analysis



Bodine Environmental Services, Inc. 5350 East Fire House Road Decatur, IL 62521

1265 Capital Airport Drive Springfield, IL 62707-8490 Phone: 217-753-1148

Facsimile: 217-753-1152 E-Mail: IL100323@aol.com

Client Project:

Illinois EPA-Adept Tool & E. St. Louis Awning-112024 & 112025

PAS Project Code:

BES-1817

Sample Description:	Con-1	 	
PAS Sample Number:	02052804781	 	
Matrix:	Solid	 	
Date Sampled:	23-May-02	 	
Date Received	28-May-02	 	
Date Analyzed:	29-May-02	 	
Date Reported:	2-Jul-02	 	

Organic Compound(s) Analysis

Parameter(3)	RL / Unit	Result	Result	Result	Result	Result	Method
Aroclor-1016	33.5 μg/kg	U					8081A(1)
Aroclor-1016	36.1 μg/kg	Ŭ					8081A(1)
Aroclor-1232	43.5 μg/kg	U					8081A(1)
Aroclor-1242	43.5 μg/kg	U					8081A(1)
Aroclor-1243	60.3 μg/kg	υ					8081A(1)
Aroclor-1254	67.0 μg/kg	υ					8081A(1)
Aroclor-126)	67.0 μg/kg	U					8081A(1)
Aroclor-1262	67.0 μg/kg	υ					8081A(1)
Aroclor-1263	67.0 μg/kg	U					8081A(1)

Element(s) Analysis

Parameter(s)	RL / Unit	Result	Result	Result	Result	Result	Method
TOLD 51							
TCLP Element(s)							200.8(3)
Arsenic(⁷⁵ As), TCLP	0.001 mg/L	0.010					` '
Barium(¹³⁷ Ba), TCLP	0.001 mg/L	2.020					200.8(3)
Cadmium(111Cd) TCLP	0.001 mg/L	0.015					200.8(3)
Chromium (53Cr), TCLP	0.001 mg/L	0.002					200.8(3)
Lead(208Pb), TCLP	0.001 mg/L	0.038					200.8(3)
, ,,,	_	U					200.8(3)
Mercury(²⁰² Hg , TCL⊃	0.0001 mg/L						
Se enium(⁷⁷ Se), TCLP	0.001 mg/L	U					200.8(3)
Silver(107Aq), TCLP	0.001 mg/L	U			•		200.8(3)

Certificate of Analysis



Bodine Environmental Services, Inc. 5350 East Fire House Road Decatur, IL 62521

1265 Capital Airport Drive Springfield, IL 62707-8490 Phone: 217-753-1148

Facsimile: 217-753-1152 E-Mail: IL100323@aol.com

Cl ent Project:

Illinois EPA-Adept Tool & E. St. Louis Awning-112024 & 112025

PAS Project Code: BES-1817

Sample Description:	Con-1	 •	
PAS Sample Number:	02052804781	 	
Matrix:	Solid	 	
Date Sampled:	23-May-02	 	
Cate Received	28-May-02	 	
Cate Analyzec:	29-May-02	 	
Cate Reported:	2-Jul-02	 	

Inorganic(s) Analysis

Farameter(s)	RL / Unit	Result	Result	Result	Result	Result	Method
Overide Takel	1.0 //-						004444
Cyanide, Total	1.0 mg/kg	U					9014(1)
Sulfide, Reactive	1.0 mg/kg	U					846/7.3.4(1)
Phenolics, Total	1.0 mg/kg	1.33					9065(1)
EOX	10.0 mg/kg	149					.9023(1)
þΗ	Units	6.8					9045C(1)
Flashpoint	°F	>200					D92(4)
Paint Filter		Pass					9095(1)
Solids, Total	0.01%	79.0					2540B(2)
Water Compatibility		Pass	***				5058-90D(4)
Physical Appearance W/ Cdor		N/A					•

End of Report

^{(1) -} Analysis performed using SW846 "Test Methods for Evaluating Solid Waste"

^{(2) -} Analysis perfermed using "Standard Methods for the Examination of Water and Wastewater", 20th Edition

^{(3) -} Analysis performed using "Methods for Chemical Analysis of Water and Wastes"

^{(4) -} Analysis perfermed using ASTM Method

Chain of Custody Record

1265 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152 - E-mail IL100323@aol.com

Prairie Analytical
Adeat Tool + E. St. Laws How

											+ E'ST.	
Client	Bodine E.	1v: (0:1 m	ntal Secu	lices In	10.	Client P	roject	oct Illinois EPA - East Saint Louis Stas 121				my 1214
Address	Γ -		house F			Project Lo	ocation	East Saint Louis IL				
City, State Zip Code	Decate					Sampler(s) /	npler(s) / Phone No. Stephen Nussbourn / Zi7			7 428-30	629	
Phone / Facsimile No.	217-428	3-34 <i>29</i>		864-2	08G	Turnarour	nd Time	Standard M Rush [] Date Required:				
Contact Person			sbaum			P.O. # or Ir	voice To	11202	4 0- 117	2025		
Sample Description	Sam	pling	Cont	ainer	3M/4P		Analysis a	nd / or Method	Requested		PAS Sampl	e Number
(10 Characters Only)	Date	Timo	¹ Sizo	² Typa / No.	Codo			any quostions			Accepted /	Rejected
Confp-1	5/23/02	1630	Bri	12	SIA	Green 51	neet w	PUB PUB	. (0,305;28	187 40	ALUKI
· /		ļ		/	1			<u>~</u>				A[]R[
·				1	1	<u></u>	 	··		· · · · · · · · · · · · · · · ·	-	A[]R[
					1						<u> </u>	A[]R[
				1	1							A[]R[
				1	1		_					A[]R[
				/								A[]R[
				Ī	1							A[]R[
				1	1							A[]R[
				1	1							A[]R[
	,			1	1							A[]R[
				1	1							A[]R[
¹ Size of Conatiner	40	mL	125	mL	25) mL	50	0 mL	1000	0 mL	O - Other	(Specify)
² Type of Container	G - Glas	ss (Clear)	AG - Glas	s (Amber)	P-1	HDPE	VC - Vo	latile Core	SC - Se	oil Core	O - Other	(Specify)
³ M = Matrix Code	A - A	queous	DW - Drin	king Water	NA - Non-a	queous Liquid	SE - Sa	line Water	S-S	S - Solids		(Specify)
⁴ P = Preservative Code	Α-	None	B - 1	-INO ₃	C-1	H₂SO₄	D -	NaOH	E -	HCI	O - Other	(Specify)
Reling	uistred, By		Date	Time		Receiv	ed By		Date	Time	Method of	Shipment
North 1		•	5/25kz	1730	font	Ballan	ړل		3/28/62	5/300	Hour	ncl
9	<i></i>					1	~~			 ''		- 1
	 -								1			
Special Instructions: Se	a Attachu	ci Analy	tical Re	quirene	ents fro	n Milam	do			1	PAS Proj	cct Code
		,		-							BES-	1817

SAMPLE NUMBER : B209656

SAMPLING POINT DESC. : P51 EAST ST LOUIS AWNING X101 >> Parcel 02-18.0-420-013

SUBMITTING SOURCE # : SITE # :

DATE COLLECTED: 020523 TIME COLLECTED: 1625 SAMPLING PROGRAM:

COLLECTED BY : TM DELIVERED BY : UPS

COMMENTS:

FUNDING CODE: LP52 AGENCY ROUTING: 00 UNIT CODE:

SAM TYPE CODE : SAMPLE PURPOSE CODE : O REPORTING INDICATOR : B

DATE RECEIVED: 020531 TIME RECEIVED: 0900 RECEIVED BY: PMD

LAB OBSERVATIONS : TRIP BL SAM# :

SUPERVISORS INITIALS : SMM NOTE : K = LESS THAN VALUE

F70318 SCLIDS, % WET SAMPL %: 79.8 P01052 LEAD, SW846 D/WT MG/KG: 2600

SAMPLE NUMBER : B209657

SAMPLING POINT DESC.: P51 EAST ST LOUIS AWNING X102 > Parcell 02-18.0-420-014

Grid Location C1

SUBMITTING SOURCE # : SITE # :

DATE COLLECTED: 020523 TIME COLLECTED: 1625 SAMPLING PROGRAM:

DELIVERED BY : UPS COLLECTED BY : TM

COMMENTS :

FUNDING CODE : LP52 AGENCY ROUTING : 00 UNIT CODE :

SAMPLE PURPOSE CODE : O REPORTING INDICATOR : B SAM TYPE CODE :

DATE RECEIVED: 020531 TIME RECEIVED: 0900 RECEIVED BY: PMD

LAB OBSERVATIONS : TRIP BL SAM# :

SUPERVISORS INITIALS : SMM NOTE : K = LESS THAN VALUE

P70318 SDLIDS,% WET SAMPL %: 98.5 P01052 LEAD, SW846 D/WT MG/KG: 910

SAMPLE NUMBER: B209658
SAMPLING POINT DESC.: P51 EAST ST LOUIS AWNING X103

Grid Location B18

SUBMITTING SOURCE # : SITE # :

DATE COLLECTED: 020523 TIME COLLECTED: 1642 SAMPLING PROGRAM:

COLLECTED BY: TM DELIVERED BY: UPS

COMMENTS :

FUNDING CODE: LP52 AGENCY ROUTING: 00 UNIT CODE:

SAM TYPE CODE : SAMPLE PURPOSE CODE : 0 REPORTING INDICATOR : B

DATE RECEIVED: 020531 TIME RECEIVED: 0900 RECEIVED BY: PMD

LAB OBSERVATIONS : TRIP BL SAM# :

SUPERVISORS INITIALS : SMM NOTE : K = LESS THAN VALUE

P70313 SOLIDS, % WET SAMPL % : 71.1 P01052 LEAD, SW846 D/WT MG/KG : 2100

SAMPLE NUMBER : B209659

SAMPLING POINT DESC. : P51 EAST ST LOUIS AWNING X104 = Parcel OZ - 18.0-420-03 Z

Grid Location D1

SUBMITTING SOURCE # :

SITE # :

DATE COLLECTED: 020523 TIME COLLECTED: 1635 SAMPLING PROGRAM:

DELIVERED BY : UPS COLLECTED BY : TM

COMMENTS :

FUNDING CODE : LP52 AGENCY ROUTING: 00 UNIT CODE :

SAMPLE PURPOSE CODE : 0 REPORTING INDICATOR : B SAM TYPE CODE :

DATE RECEIVED: 020531 TIME RECEIVED: 0900 RECEIVED BY: PMD

TRIP BL SAM# : LAB OBSERVATIONS :

SUPERVISORS INITIALS : SMM NOTE : K = LESS THAN VALUE

P70318 SOLICS,% WET SAMPL %: 80.2 P01052 LEAD,SW846 D/WT MG/KG: 4300

SAMPLE NUMBER : B209760

SAMPLING POINT DESC. : P52 EAST ST LOUIS/ADEPT TOOL X101

Grid Location H12

SUBMITTING SOURCE # : SITE # : 1630455242

DATE COLLECTED : 020521 TIME COLLECTED : 1205 SAMPLING PROGRAM :

COLLECTED BY : TM DELIVERED BY : UPS

COMMENTS :

FUNDING CODE: LP52 AGENCY ROUTING: 00 UNIT CODE:

SAM TYPE CODE: SAMPLE PURPOSE CODE: 0 REPORTING INDICATOR: B

DATE RECEIVED: 020603 TIME RECEIVED: 1100 RECEIVED BY: PMD

LAB OBSELVATIONS : TRIP BL SAM# :

SUPERVISORS INITIALS : SMM NOTE : K = LESS THAN VALUE

P70318 SOLIDS,% WET SAMPL %: 75.1 P01052 LEAD, SW846 D/WT MG/KG: 970

SAMPLE NUMBER: B209761

SAMPLING POINT DESC.: EAST ST LOUIS/ADEPT TOOL X102

Grid Location D10

SUBMITTING SOURCE # : SITE # : 1630455242
DATE COLLECTED : 020521 TIME COLLECTED : 1215 SAMPLING PROGRAM :

COLLECTED 3Y: TM DELIVERED BY: UPS

COMMENTS :

FUNDING CODE: LP52 AGENCY ROUTING: 00 UNIT CODE:

SAM TYPE CODE : SAMPLE PURPOSE CODE : O REPORTING INDICATOR : B

DATE RECEIVED: 020603 TIME RECEIVED: 1100 RECEIVED BY: PMD

LAB OBSERVATIONS : TRIP BL SAM# :

SUPERVISORS INITIALS : SMM NOTE : K = LESS THAN VALUE

P70318 SCLIDS, % WET SAMPL %: 79.6 P01052 LEAD, SW846 D/WT MG/KG: 750

SAMPLE NUMBER : B209762

Parcel 02-07.0-429-18

SAMPLING POINT DESC. : P52 EAST LOUIS ADEPT TOOL X103

Grid Location F10

SUBMITTING SOURCE # :

SITE # : 1630455242

DATE COLLECTED: 020521 TIME COLLECTED: 1220 SAMPLING PROGRAM:

COLLECTED BY : TM

DELIVERED BY : UPS

COMMENTS :

FUNDING CODE : LP52

AGENCY ROUTING: 00 UNIT CODE:

AGENCY ROUTING: 00 SAMPLE PURPOSE CODE: 0 REPORTING INDICATOR: B SAM TYPE CODE :

DATE RECEIVED: 020603 TIME RECEIVED: 1100 RECEIVED BY: PMD

LAB OBSER/ATIONS : TRIP BL SAM# :

SUPERVISORS INITIALS : SMM NOTE : K = LESS THAN VALUE

P70318 SOLIDS,% WET SAMPL %: 86.4 P01052 LEAD,SW846 D/WT MG/KG: 1200

SAMPLE NJMBER: B209763

SAMPLING POINT DESC.: P52 EAST ST LOUIS/ADEPT TOOL X104

Parcel 02-18.0-215-022

Grid Location GZ

SUBMITTING SOURCE # : SITE # : 1630455242

DATE COLLECTED : 020521 TIME COLLECTED : 1230 SAMPLING PROGRAM :

COLLECTED BY : TM DELIVERED BY : UPS

COMMENTS :

FUNDING CODE: LP52 AGENCY ROUTING: 00 UNIT CODE:

SAM TYPE CODE: SAMPLE PURPOSE CODE: 0 REPORTING INDICATOR: B

DATE RECLIVED: 020603 TIME RECEIVED: 1100 RECEIVED BY: PMD

LAB OBSERVATIONS: TRIP BL SAM#:

SCPERVISORS INITIALS : SMM NOTE : K = LESS THAN VALUE

P70318 SOLIDS, % WET SAMPL %: 72.9 P01052 LEAD, SW846 D/WT MG/KG: 2700

SAMPLE NUMBER : B209764

SAMPLING POINT DESC. : P52 EAST ST LOUIS/ADEPT TOOL X105

Parcel DZ-18.0-215-022. Grid Location G1

SUBMITTING SOURCE # :

SITE # : 1630455242

DATE COLLECTED: 020521 TIME COLLECTED: 1235 SAMPLING PROGRAM:

COLLECTED BY : TM

DELIVERED BY : UPS

COMMENTS :

FUNDING CODE : LP52

AGENCY ROUTING : 00

UNIT CODE :

SAM TYPE CODE :

SAMPLE PURPOSE CODE : 0 REPORTING INDICATOR : B

DATE RECEIVED : 020603

TIME RECEIVED : 1100

RECEIVED BY : PMD

LAB OBSERVATIONS :

TRIP BL SAM# :

SUPERVISORS INITIALS : SMM

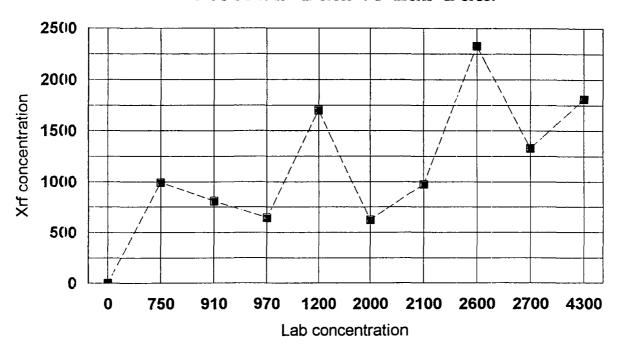
NOTE : K = LESS THAN VALUE

P7C318 SOLTDS, % WET SAMPL %: 78.9 P01052 LEAD, SW846 D/WT MG/KG: 2000

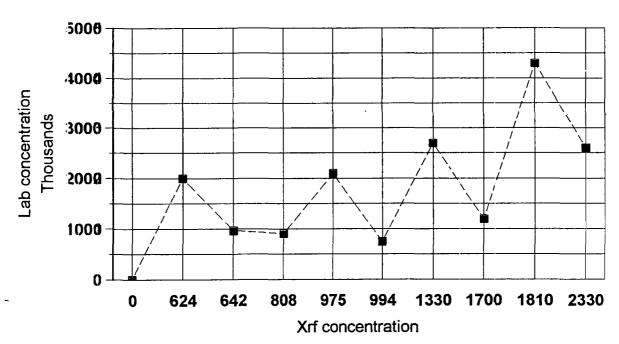
Table 1: Empirical Comparison of XRF Results Versus Fixed Laboratory Results

Parcel ID	Address	Sample Location	XRF [Lead] (ppm)	Lab Sample ID	Lab [Lead] (ppm)
02-18.0-420-013	580 Gray Blvd.	Di	2330	X101	2,600
02-18.0-420-014	578 Gray Blvd.	Cl	808	X102	910
02-19.0-112-025	411 Gray Blvd.	B18	975	X103	2,100
02-18.0-420-032	536 Gray Blvd.	Di	1810	X104	4,300
02-18.0-215-001	1802-1808 N. 20th	H12	642	X101	970
02-7.0-129-018	1720-1780 N. 20th	D10	994	X102	750
02-07.0-429-018	1720-1780 N. 20th	F10	1700	X103	1,200
02-18.0-215-022	1322 N. 18th	G2	1330	X104	2,700
02-18.0-215-022	1322 N. 18th	G1	624	X105	2,000

Plot XRF Data vs Lab Data



Plot Lab Data vs XRF Data



Appendix G

Statistical Evaluation Sheets

124 95 54 119 109 551 459 109 302 189 315 224 89 156 195 447 229 146 217 325	2E 2 2E 2 2E 2 1E 3 121 196 198 121 198 123 63 62 140 55 181 82 83 63 103 86 71 112 91	146 123 138 133 109 99 107 115 97 43 34 47 34 46 133 182 149 46 55 76 123 202 138 106 41 108	140 120 91 66 80 58 429 60 260 113 127 132 61 154 172 153 135	176 149 137 112 109 177 123 460 58 140 85 115 74 138 N=14	157 126 145 169 123 172 197 163 78 160 438 86 90 217 258 354 123 120 230 N=19	186 159 101 191 225 85 54 297 104 107 394 470 95 n=13	119 47 56 146 47 56 287 457 150 163 290 219 173 325 254 124 N=16	39 55 49 61 50 62 56 82 58 68	41 129 112 134 113 106 125 79 94 104 155 60 137 98 102 113 123 75 74 48 97 52 214 340 342 430 440 440 315 304	201 164 206 174 144 134 215 439 359 151 218 330 253 n = 13		
	422			UC	レクリ			68 64 66 153 129 96 107 97 111 127 562 k=40	304 184 263 51 265 348 599 195 39 84 114 91 N=4	up Re	quired s criteri	4.

RECEIVED IEPA

MAY 3 0 2002 COLLINSVILLE OFFICE

n=66



Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

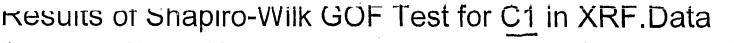
Environmental Consulting & Contracting

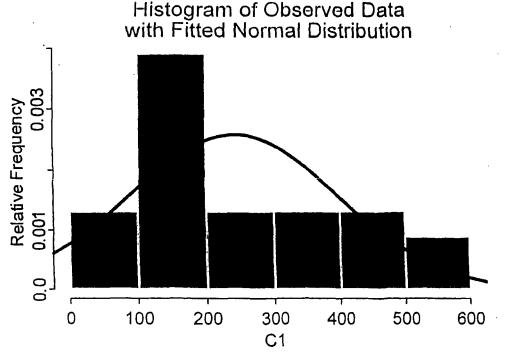
Client: Illinois Environmental Protection Agency	
Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241
Parcel Number: 02-19.0-112-021	

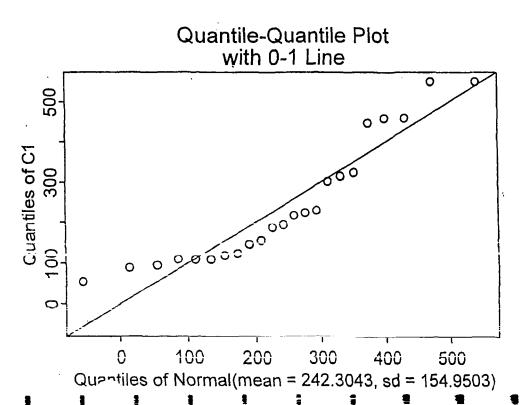
Name and Address: Vercent Harvey 419 Gray Blvd

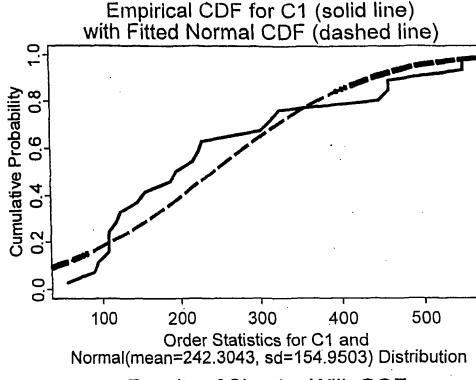
	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
53.8	A1					124						
539	A1 A2 A4 A4	****				94						
540	-A3-	445 Arriva				94						
541	A4 -	AND WAY				119						
542	-3/-					109						
543	0.2					551						
544	52					489						
245	737 C 2 D 2 E 2	THE STATE OF				109						
						362						
547												
549												
550												
551												
552												
553												
554	122					229						
555	03 : 64 :					146						
56	64.					217						

Bodine Environmental Services, Inc. Job Number # 112025









CKIC !

Column "A'

0.008768295

Results of Shapiro-Wilk GOF

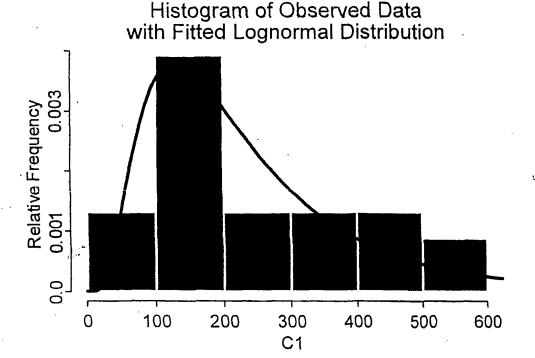
Hypothesized Distribution:	Normal
Estimated Parameters:	mean = 242.3043 sd = 154.9503
Data:	C1 in XRF.Data
Sample Size:	23

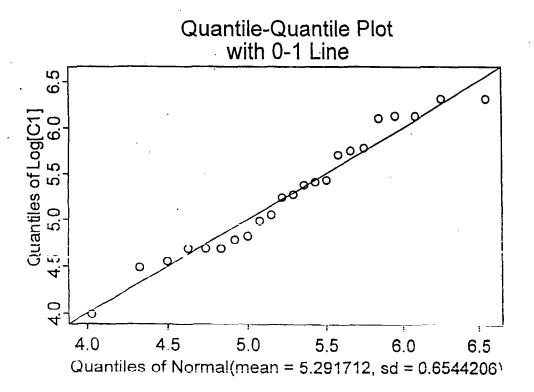
Test Statistic: W = 0.8770541Test Statistic Parmeter: n = 23

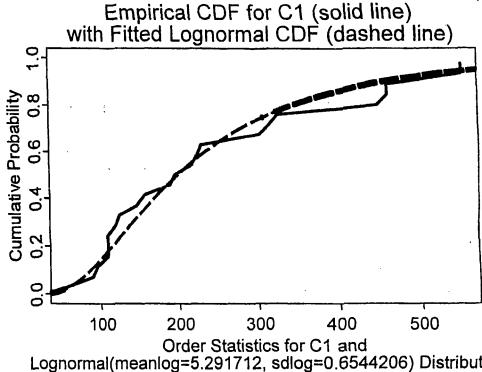
P-value:

Reject Null: not normally distrik ed

Nesults of Shapho-Wilk GUF Test for C1 in XRF. Data







Results of Shapiro-Wilk GOF

Hypothesized
Distribution:
Estimated Parameters:

Lognormal meanlog = 5.291712

Column "A'

Data:

Sample Size:

Test Statistic:

Test Statistic Parmeter:

P-value:

sdlog = 0.6544206 C1 in XRF.Data

2

W = 0.9566671

n = 23 0.3994764

Null accepted: lognormal.

- d=0.n=

Results of Distribution Parameter Estimation

Assumed Distribution:

Lognormal

Estimated Parameter(s):

mean = 243.4284

cv = 0.7028359

Estimation Method:

mvue

Data:

Cl in XRF.Data

Sample Size:

23

Number NA/NaN/Inf's:

43

Confidence Interval for:

mean

Confidence Interval Method:

Land

Confidence Interval Type:

upper

Confidence Level:

95%

Confidence Interval:

LCL = 0

UCL = 330.8009



Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

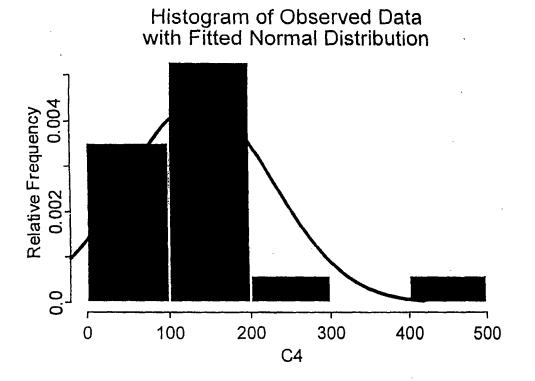
Environmental Consulting & Contracting

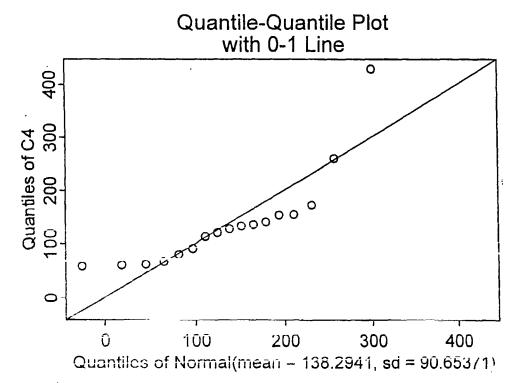
Client: Illinois Environmental Protection Agency	
Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241

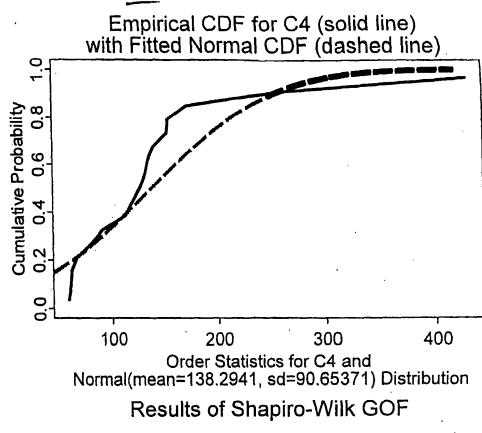
Parcel Number: 02-19.0-204-003

Name and Address: James Perry 428 Gray Blud

XRF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
20	#1-					140						
21	AZ					120						
22	AR	.3:8:11.14				91						
23	BI					66						
27	82	The state of the s				80						
-5	133					58						
26	三子					427						
27	F3					60						
THE PARTY OF						260				The second		
29	1 / 2 + 2 - 3 1					# 3						
30						PAT						
31	623											
32												
32 33 34						154						
34		STATE OF STA				[]是						
35	经验证 从证据的					153						
36	1/14					135						
	44.											







Norma
mean = 138.2941 sd = 90.6537
C4 in XRF.Data

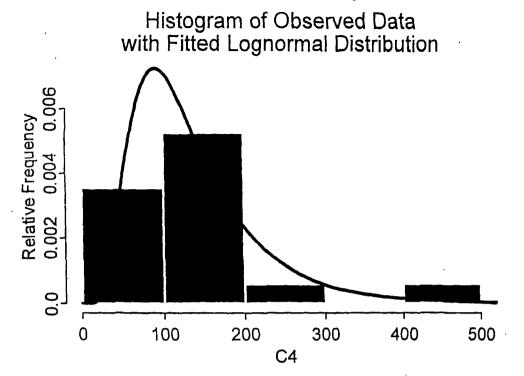
Sample Size: 1 Test Statistic: W = 0.749578

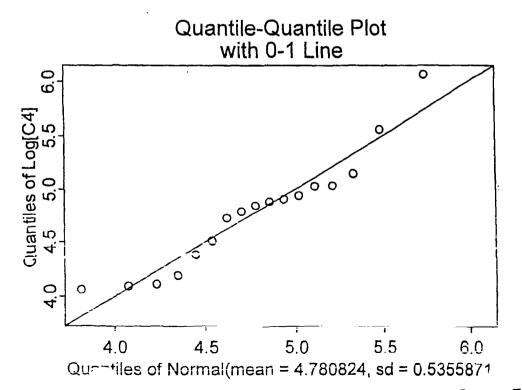
Test Statistic Parmeter: n = 1

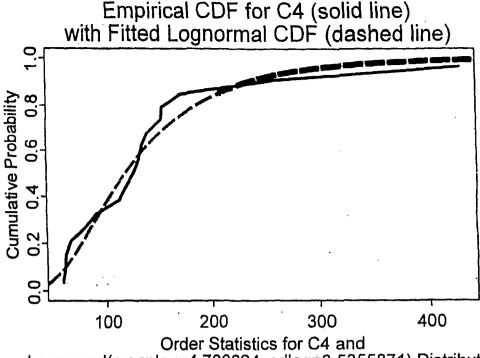
P-vaiue: 4.468487e-

Perset Null: Not normally distributed

June of Onapho-Wilk GUF Test for C4 in XRF. Data







Lognormal(meanlog=4.780824, sdlog=0.5355871) Distribution

Results of Shapiro-Wilk GOF

Hypothesized Distribution:	
Catingstad Dayanatara	

Estimated Parameters:

Data:

Sample Size:

Test Statistic:

Test Statistic Parmeter:

P-value:

Lognormal meanlog = 4.780824

sdlog = 0.5355871

C4 in XRF.Data

Column "D'

W = 0.9321123

n = 17

0.2360465

accept Null: lognormally distubuted

Results of Distribution Parameter Estimation

Assumed Distribution:

Lognormal

Estimated Parameter(s):

mean = 136.2947

cv = 0.5576716

Estimation Method:

mvue

Data:

C4 in XRF. Data

Sample Size:

17

Number NA/NaN/Inf's:

49

Confidence Interval for:

mean

Confidence Interval Method:

Land

Confidence Interval Type:

upper

Confidence Level:

<u>958</u>

Confidence Interval:

LCL =

UCL = 181.559



Waste-Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

Job Description: East Saint Louis Awning, Site #160 LPC#: 1630455241

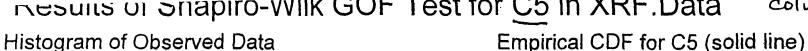
Parcel Number: 02-19.0-204-005

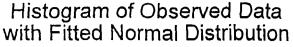
Name and Address: Greta Stinson 426 Gray Blud

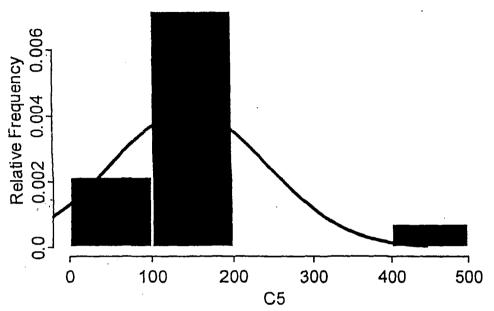
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
D A 1 A 2 A 3 B 3 E 1					176						
A2					149						
A3-					137						
A4					11.2						
E7-	The second secon				109						
32)77						
B+					123						
E4#	7 (2 d d d d d d d d d d d d d d d d d d				460						
	PERCECULA IN ST				56						
	Table 10 Co.								-		
16					7						
							,				
	3.45.14.15										
	e dan Street										

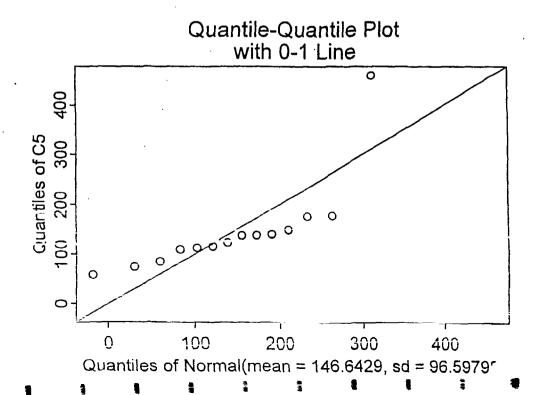
Bodine Environmental Services, Inc. Job Number # 112025

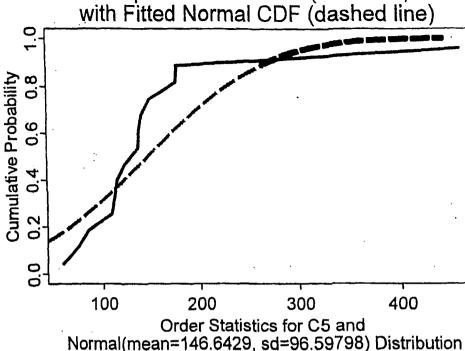
nesults of Snapiro-Wilk GOF Test for C5 in XRF.Data











Results of Shapiro-Wilk GOF

Hypothesized Distribution:

Estimated Parameters:

Data:

Sample Size:

Test Statistic:

Test Statistic Parmeter:

P-value:

Norma

Column

mean = 146.6429

sd = 96.5979C5 in XRF.Dat

W = 0.647678

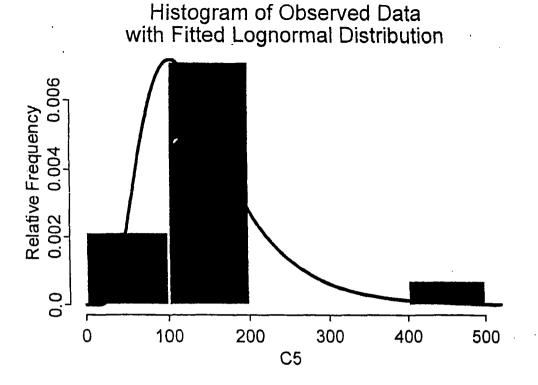
n = i

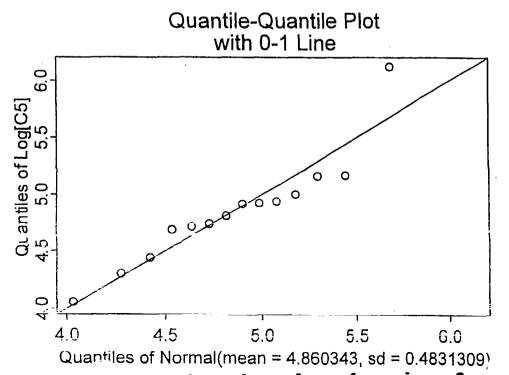
1.115973e-

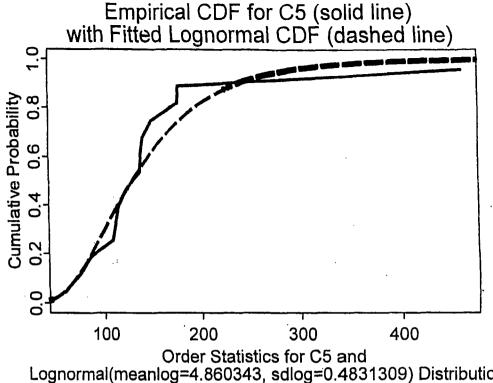
Reject Null: mot hormally

dioti 'ited

Nesults of Shapiro-Wilk GUF Test for C5 in XRF. Data







Results of Shapiro-Wilk GOF

Hypothesized Distribution:	Lognormal
Estimated Parameters:	meanlog = 4.860343 sdlog = 0.4831309
Data:	C5 in XRF.Data
Sample Size:	14
Test Statistic:	W = 0.9029925
Test Statistic Parmeter:	n - 11

accept Null: lognormaling distributed

P-value:

= = :

1

0.1246522

Column "E"

Results of Distribution Parameter Estimation

Assumed Distribution:

Lognormal

Estimated Parameter(s):

mean = 143.7312

cv = 0.4969713

Estimation Method:

mvue

Data:

C5 in XRF.Data

Sample Size:

14

Number NA/NaN/Inf's:

52

Confidence Interval for:

mean

Confidence Interval Method:

Land

Confidence Interval Type:

upper

Confidence Level:

95%

Confidence Interval:

LCL = 0

UCL = 191.3996



Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	Job Description: East Saint Louis Awning, Site #160 LPC#: 1630455241											
	Parcel Numb	per: Oc	2-19.	0-2	04-0	36						
	Name and A	ddress:				Gray	Blv	l.				
RF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
18	41-					157						
79	A2.					126						
30	777					745						
31	+ 144 =					169						
72	Ag					123						
3	Ab					172						
-4	-,44					147						
35	410					163						
76												
7												
8												
-9												
0												
7/												
12												
3												
4						2.3						
5	C 10	2-7- 3-7V										

Bodine Environmental Services, Inc. Job Number # 112025

70 to 1

Waste Management 24-hour Service Site Remediation Environmental Audits Air Monitoring
Spill Response
RCRA Closure

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

Job Description: Fast Saint Louis Awning, Site #160

LPC#: 1630455241

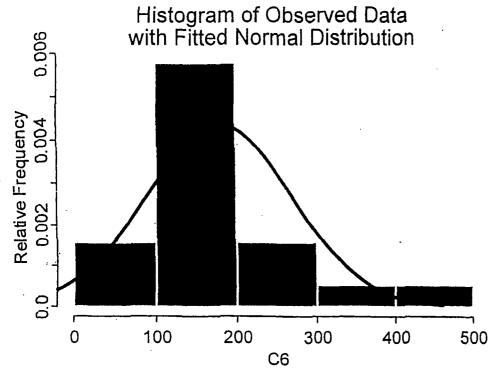
Parcel Number: 02-19,0-204-005

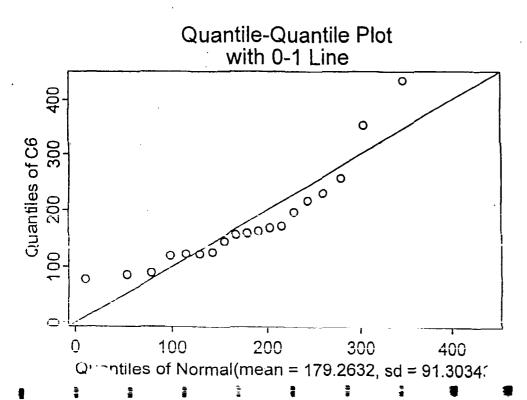
Name and Address: Greta Stinson 426 Gray Blud

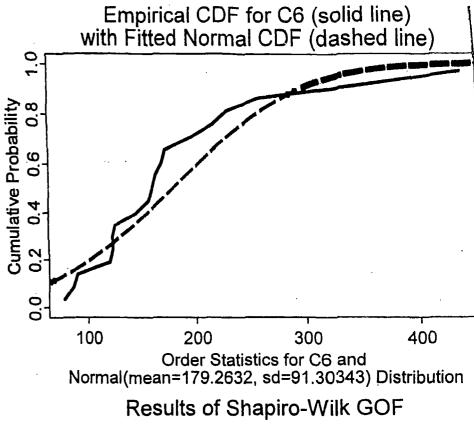
	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
	At					176						
	A1 A2					149						
	777 777 87 87					737						
	AH	(49.54) B				112						
	1 87	THE PARTY OF THE P				109						
_	32					197						
3	BH					123						
/	一百时期					460						
-	_ [3]	PRODUCT CON				* 6						
3												
,												
,												
											17.56	
		te-Class #25.4										
	4.75											
1000												

Bodine Environmental Services, Inc. Job Number # 112025

Results of Shapiro-Wilk GOF Test for C6 in XRF.Data







Column F

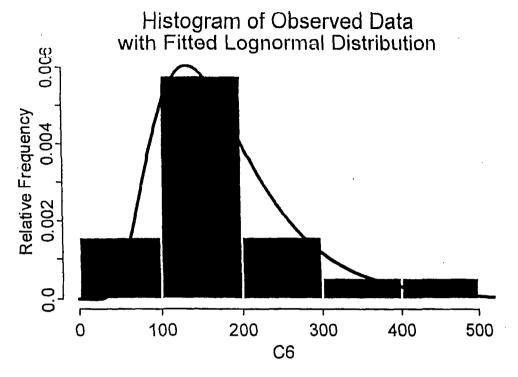
Distribution:	Norma
Estimated Parameters:	mean = 179.2632 sd = 91.3034
Data:	C6 in XRF.Dat

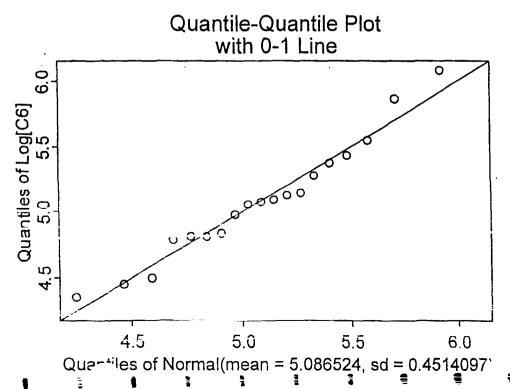
Sample Size:	
Test Statistic:	

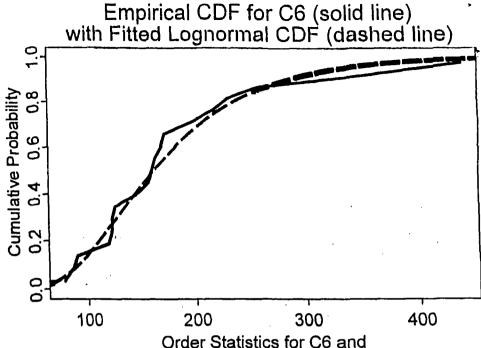
Test Statistic:	W = 0.844539
Test Statistic Parmeter	n = 1
P-value:	0.0054743

Reject Null: mot normally distributed

THE REPORT OF THE PROPERTY OF







Lognormal(meanlog=5.086524, sdlog=0.4514097) Distribution

Results	s of Shapiro-w	IIK GOF
Hypothesized		

Lognormal
meanlog = 5.086524 sdlog = 0.4514097

U	ata		

Sample Size:

Test Statistic:

Test Statistic Parmeter:

P-value:

C6 in XRF.Data

19

W = 0.9662425

ıı – 19

0.6996048

Accept Null: Lognormally

EnvironmentalStats for S-PLUS:

Copyright 1995-2002 Steven P. Millard, Ph.D.

Version 2.0 Release 1 for Microsoft Windows: 2002

Results of Distribution Parameter Estimation

Assumed Distribution: L

Lognormal

Estimated Parameter(s):

mean = 178.143

cv = 0.4656203

Estimation Method:

mvue

Data:

C6 in XRF.Data

Sample Size:

19

Number NA/NaN/Inf's:

47

Confidence Interval for:

mean

Confidence Interval Method:

Land

Confidence Interval Type:

upper

Confidence Level:

95%

Confidence Interval:

LCL =

UCL = 220.8559



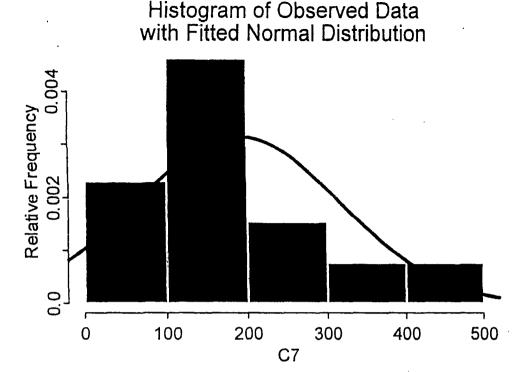
Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

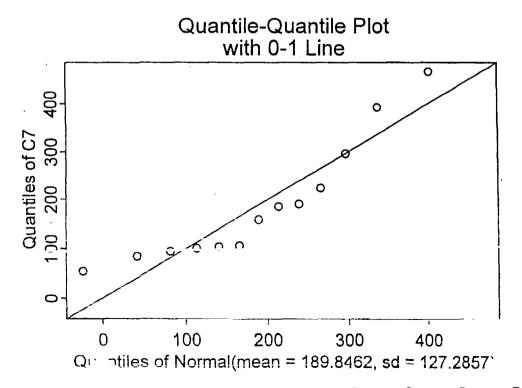
Environmental Consulting & Contracting

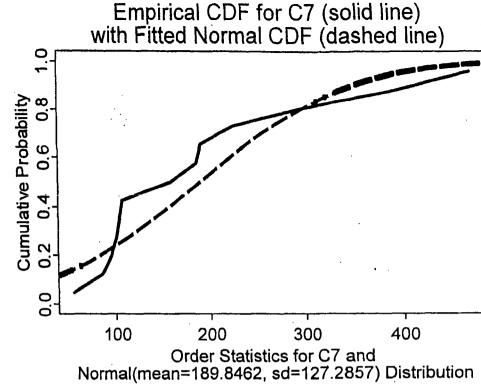
Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241
Parcel Number: 02 - 19.0 - 204 - 034	

RF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
6	A2					186						
7	73					1997						
3	+特尹-					101						
7	图 多-					19/						
0		7				理有						
1	F2	Should have been				89						
2						耕						
37						297						
4												
1.												
18												
	TENHER TON THE SERVERSE						•					
1												
	PERSONAL PROPERTY AND INC.											

MESUITS OF SHAPITO-MILK GOT TEST TOLOT III VILLE COLUMN 6







Results of Shapiro-Wilk GOF

Hypothesized Distribution:	Normal
Estimated Parameters:	mean = 189.8462 sd = 127.2857
Data:	C7 in XRF.Data
Sample Size:	13

Test Statistic: W = 0.8617707

Test Statistic Parmeter: n = 13

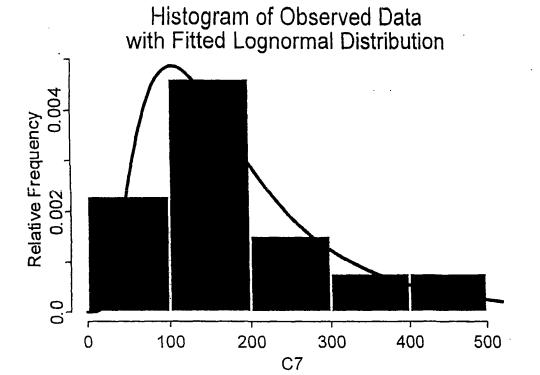
P-value: 0.04065408

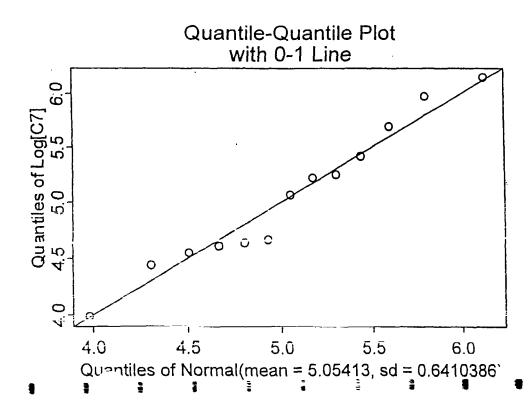
Reject Null: inst normally distributed

d = 0.05

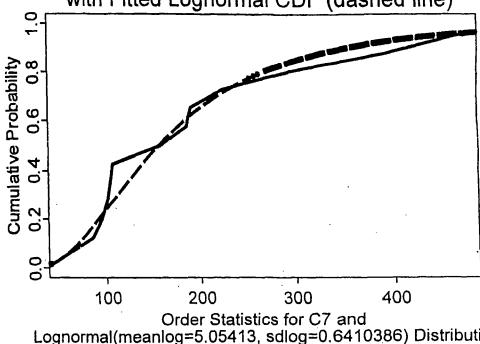
EXPOUND OF OHOPHOSVIIK QQL

TOBLIOF G7 III XRF. Dala





Empirical CDF for C7 (solid line) with Fitted Lognormal CDF (dashed line)



Results of Shapiro-Wilk GOF

lypothesized
distribution:

Estimated Parameters:

Data:

Sample Size:

Test Statistic:

Tost Statistic Parmeter: P-value:

accept Null:

Lognorma

Column "G

meanlog = 5.05413sdlog = 0.6410386

C7 in XRF.Data

W = 0.9619023

n - 13

0.782749

Tognormally distuberted

Results of Distribution Parameter Estimation

Assumed Distribution:

Lognormal

Estimated Parameter(s):

mean = 188.9154= 0.670799

Estimation Method:

mvue

Data:

C7 in XRF.Data

Sample Size:

13

Number NA/NaN/Inf's:

53

Confidence Interval for:

mean

Confidence Interval Method:

Land

Confidence Interval Type:

upper

Confidence Level:

95%

Confidence Interval:

LCL =

UCL = 293.9069



24-hour Service Site Remediation Environmental Audits

Waste Management

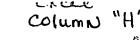
Tank Removal/Cleaning
Air.Monitoring
Spill Response
RCRA Closures

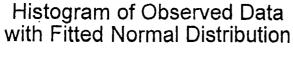
Environmental Consulting & Contracting

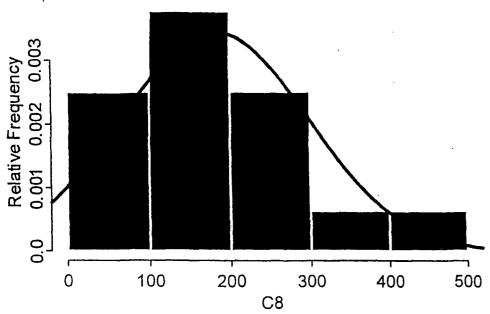
Job Description	: East Saint Louis Awning, Site #160	LPC#: 1630455241
Parcel Number	02-18.0-420-020	

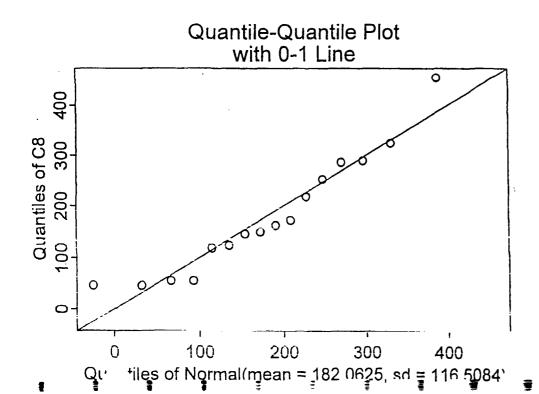
Name and Address: FARRIES EXCELL - 560 GRAY BLUD. Pb Time Location Fe Mn Zn Cu As Sr Rb 7rMo 2002 21 119 22 23 24 25 56.1 26 287 27 28 457 29 150

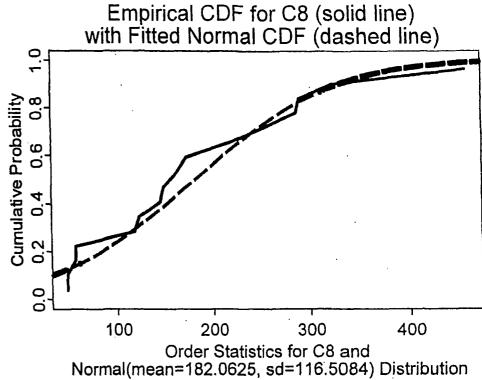
Results of Shapiro-Wilk GOF Test for C8 in XRF.Data











Results of Shapiro-Wilk GOF

Hypothesized Distribution:	Normal
Estimated Parameters:	mean = 182.0625 sd = 116.5084
Data:	C8 in XRF.Data
Sample Size:	16

Test Statistic: W = 0.9232209Test Statistic Parmeter: n = 16P-value: 0.1900362

accept Null: normally distributed

Results of Distribution Parameter Estimation

Assumed Distribution:

Normal

Estirated Parameter(s):

mean = 182.0625

sd = 116.5084

Estimation Method:

mvue

• Data:

C8 in XRF.Data

Sample Size:

16

Number NA/NaN/Inf's:

50

Confidence Interval for:

mean

Confidence Interval Method:

Exact

Confidence Interval Type:

upper

Confidence Level:

95%

Confidence Interval:

LCL = -Inf

UCL = 233.1238



Tank Removal/Cleaning Air:Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

Job Description: East Saint Louis Awning, Site #160

LPC#: 1630455241

Parcel Number: 02-19.0- 204-031

Name and Address: Win Fred Hogan 402 Gray Blud

KRE	Location ID	Time	Fe	Mn	Zn	Рь	Cu	As	Sr	Rb	Zr	Mo
215	A2					174						
216	A3					89						
217	A-4					6t						
218	A 5					96						
219	46	grantes and beginning to the second of the s				88						
220	A7					88						
1220	-BZ-					76						
222	B3	建				439						
223	Bartin	andere en				53						
224												
225												
226	2 5											
227												
228	4	The state of the s				491						
229						257						
2.20		61836490				42						
72.1	5					c4						
232	V 6					234						
7 33	E 7					119		5 - 5				



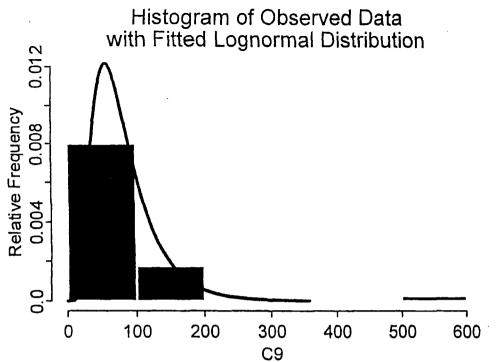
Tank Removal/Cleaning
Air Monitoring
Spill Response
RCRA Closures

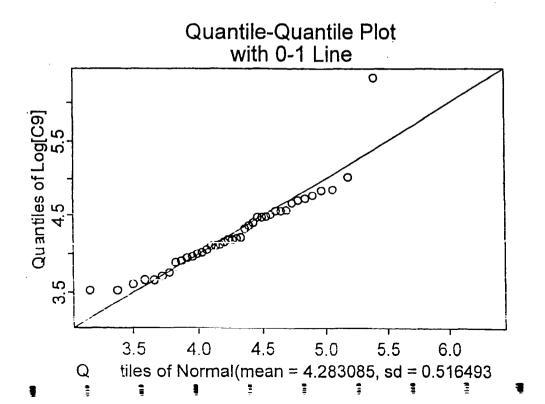
Environmental Consulting & Contracting

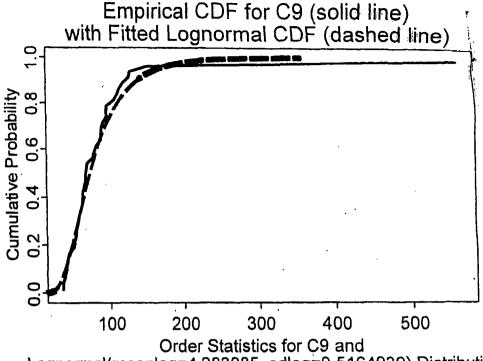
Parcel Num	ber:		C	12-10	1.0	-201	1-03	1			
Name and A	ddress:_										
		W7	1,4	194			Τ.	Ta	l nı		T.,
ingeriio W		ID	Mn	Pb	Pb	Cu	As	Sr	Rb	Zr	Mo
		FI		166		To the state of th					1
	,	FZ		-39							
		F3		455							
		FY		49							
	HERRY	F5		61							
		F6		50							
at.		F7		62							
	lle of the state o	61		56							
	-1× (12		82							
		3		58							
		14		68							
		15		64							
		6		66		:					
		67		153				,			
Casa Test San La Casa		HI		129							
		14.2		96							
		H3		107							
		H4		97							
**************************************		215		111							

562

Results of Shapiro-Wilk GOF Test for C9 in XRF.Data







Lognormal(meanlog=4.283085, sdlog=0.5164939) Distributi

Results of Shapiro-Wilk GOF

Distribution:	Lognorma
Estimated Parameters:	meanlog = 4.283085

Data:

Hypothesized

Sample Size:

Test Statistic:

Test Statistic Parmeter:

P-value:

C9 in XRF.Data

Excel

Column "I

W = 0.8948892

vv = 0.0940092 n = 40

0.00136205

Dull rejected: not normally distributed

UHULL Column

*** Ecotstrap Results ***.

Call:

bootstrap(data = SDF1, statistic = mean(C9), B = 2000, seed = 47, trace = F, assign.frame1 = F, save.indices = F)

Number of Replications: 2000

Summary Statistics:

Observed Bias Mean 86.47 -0.2469 86.23 12.76 Pa::am

BCa Percentiles:

numeric matrix: 1 rows, 4 columns.
2.5% 5% 95%

97.5%

Param 70 91592 72.46648 124.9851 136.9664



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency	
Job Description: East Saint Louis Awning Site #160	LPC#: 1630455241

Parcel Number: 02-19.0-204-009

Name and Address: Edge Mont Development 4 16 Gray Blud

>RF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
104	A_1					4						
105	AZ					129						
106	A 3	and statement of the				TIZ						
107	Α4					134						
108	A 5	Article Control of the Control of th				113						
189	AC					106						
110	A7-					125						
(11)	A-6					74						
112		M. B. FRIGHTS				94						
113												
114												
112												
116												
117												
118		100				64						
119		14 (12) 1797 1792										
120	2 R.€					1/13						
	87					75						
77	RE					74						

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental. Consulting & Contracting

Client: Illin Job Descri						60		_ LP	C#: 163	045524	41
Parcel Num	ber:										
Name and A	Address:										
lorenton.	Jim.	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
										-	
											-
										-	-
						4340					-
						(342)					
	712 27 20					£ (430)				-
						(440)					-
						440					
					30	315					
						304)					
						(184)					
						263)					
						51)					
						365					
						348)					
E CONTRACTOR OF THE PARTY OF TH						599)					
						195)					
						39)					

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

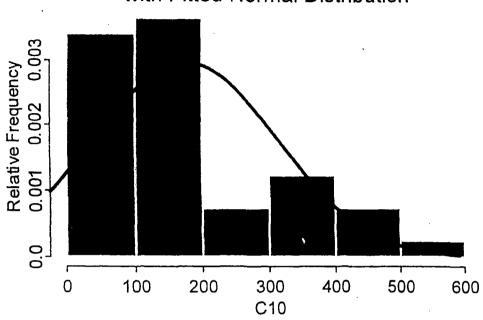
Environmental Consulting & Contracting

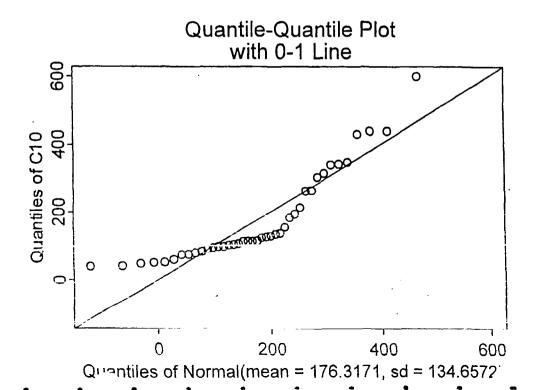
Client: Illinois Environmental Protection Agency

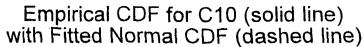
	Job Description: East Saint Louis Awning, Site #160								LPC#: 1630455241					
	Parcel Numb	er:												
	Name and A	ddress:												
RF	lage in the	Jima	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо		
							(84)					-		
2							(114)							
3							(91)							
1														
	5-1-2	F 200												
	r d													
						-6								
The state of the s											•			
Sept.	<u> </u>	CONTRACTOR OF STREET					:							
printed an														
A THE STATE OF														
Sale (NS)						1								
West Sales and														
北京大学														
	Service Service Re													

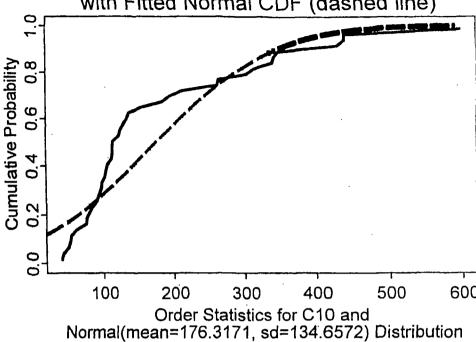
1 COURS OF OFFICE VIEW OUT 1 EST FOR C10 IN XRF. Data











Results of Shapiro-Wilk GOF

Hypothesized Distribution:

Norma mean = 178.317

Data:

sd = 134.6572 C10 in XRF.Data

Sample Size:

4

Test Statistic:

W = 0.828623

Test Statistic Parmeter

Estimated Parameters:

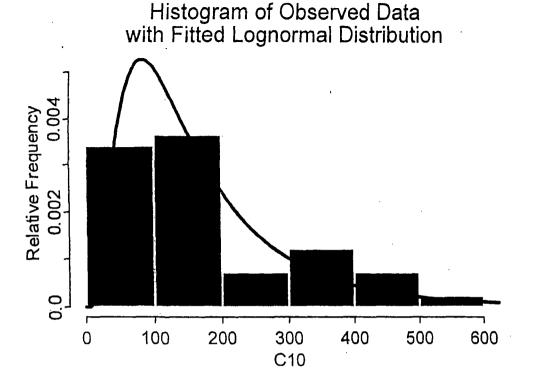
n = 4

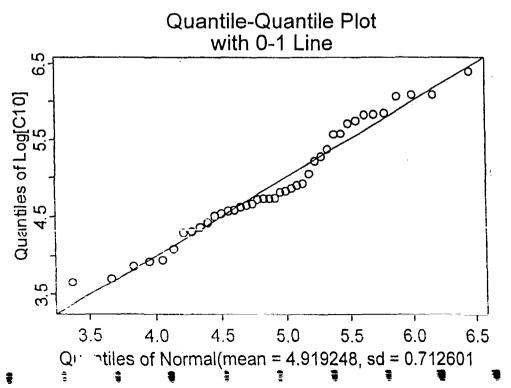
P-value:

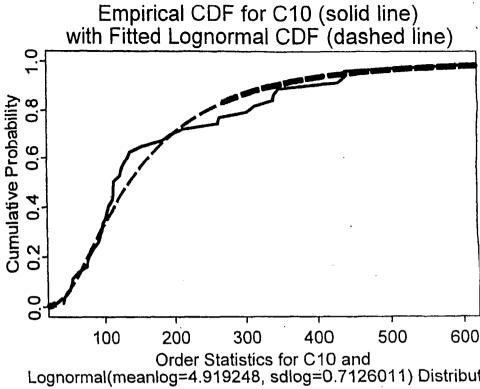
2.329288e-

Null rejected: not hormal distributed

Results of Snapiro-Wilk GOF Test for C10 in XRF. Data







Lognormal(meanlog=4.919248, sdlog=0.7126011) Distrib

Results of Shapiro-Wilk GOF

Hypothesized
Distribution:
Lognorma

Estimated Parameters: meanlog = 4.919248 sdlog = 0.7126012

Sample Size:

Test Statistic:

Test Statistic Parmeter:

P-value:

Data:

C10 in XRF.Data

Column "

W = 0.9606589

n = 4⁻ 0.165862

Null accepted: Togramale distributed

Results of Distribution Parameter Estimation

Assumed Distribution:

Lognormal

Estimated Parameter(s):

mean = 175.12790.790423

cv =

Estimation Method:

mvue

Data:

ClO in XRF.Data

Sample Size:

41

Number NA/NaN/Inf's:

25

Confidence Interval for:

mean

Confidence Interval Method:

Land

Confidence Interval Type:

upper

Confidence Level:

95%

Confidence Interval:

LCL = 0

UCL = 222.7197



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

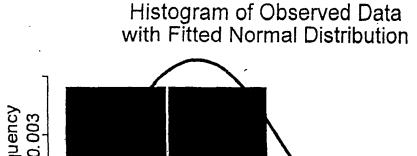
Client: Illinois Environmental Protection Agency Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241
Parcel Number: 02-18.0-420-016	
Name and Address: SANDERS, JESSIE - 574 GRAY	Bus.

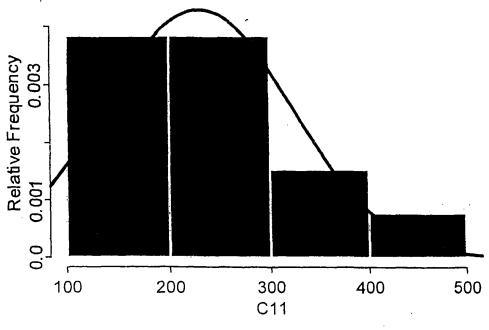
TANTAG #	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
181	41 /42					20)						
184	Aà					164						
184	-A+					206						
185	82					174						
186	134	management and a second				744						
187	E					134						
[88]	Ea.	HERE TO				215						
189	E3.					439						
191						359						
192						#S#						
193						48						
[94	G# 25					330						
	6:1					253						
78												
0,0		अंगे अल				361						
						64 No. 3						
	The state of the s					A FAMIL						

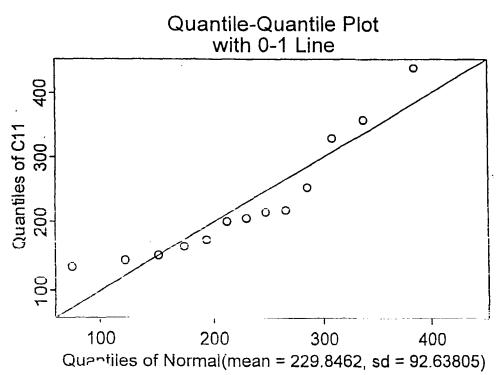
Bodine Environmental Services, Inc. Job Number # 112025

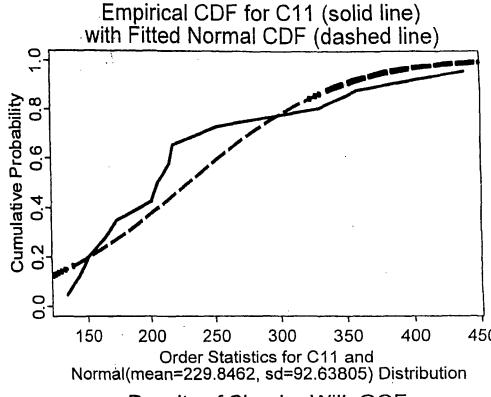
183 during reset + recalibration - XRF made continuous beep

results of Snapiro-Wilk GOF Test for C11 in XRF. Data









Column "K'

0.04809103

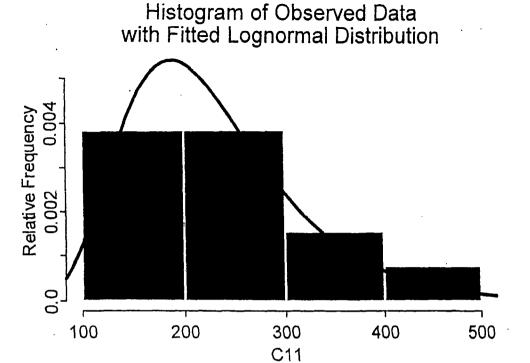
Results of Shapiro-Wilk GOF

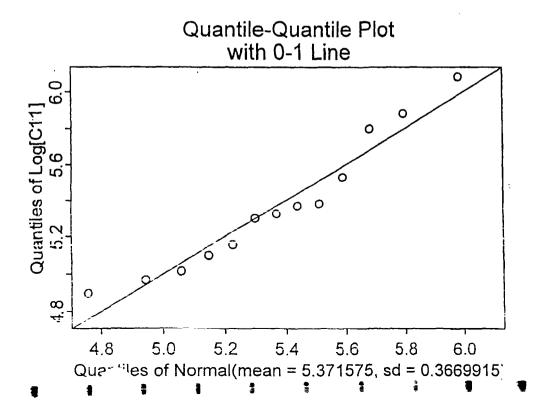
Hypothesized Distribution:	Normal
Estimated Parameters:	mean = 229:8462 sd = 92.63805
Data:	C11 in XRF.Data
Sample Size:	13
Test Statistic:	W = 0.8672677
Test Statistic Parmeter:	n = 13

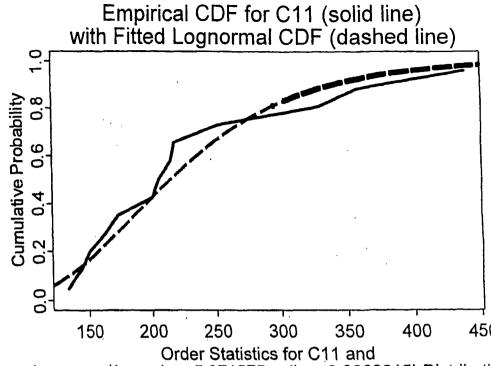
P-value:

Null rejected: not normale distribute

Results of Snapiro-Wilk GOF Test for C11 in XRF. Data







Column "K'

13

Lognormal(meanlog=5.371575, sdlog=0.3669915) Distributi

المستاحية والمستدارا

Sample Size:

Results of Shapiro-Wilk GOF

Distribution:	Lognormal
Estimated Parameters:	meanlog = 5.371575 sdlog = 0.3669915
Data:	C11 in XRF.Data

Test Statistic:	W = 0.9369767
Test Statistic Parmeter:	n = 13
P-value:	0.4189637

Null accepted: logrormally destributed

Results of Distribution Parameter Estimation

Assumed Distribution:

Lognormal

Estimated Parameter(s):

mean = 228.9407cv = 0.3726535

Estimation Method:

mvue

Data:

C11 in XRF.Data

Sample Size:

13

Number NA/NaN/Enf's:

53

Confidence Interval for:

mean

Confidence Interval Method:

Land

Confidence Interval Type:

upper

Conf.denc∈ Lev∈l:

95%

Confidence Interval:

LCL = 0

UCL = 283.6341

A	B	C	\mathcal{D}	E
239	93.5	214	113.8	138.8
115.8	76	243	184.2	107.5
135.2	110	176.4	130.6	596.4
202.5	204.8	109.8	142.9	300.6
234	126.1	253.2	195	90.2
263	160.3	221	381.8	231
187	490.4	175.7	436.8	110.9
153.7	286	515.2	585.2	279.4
227.2	432.8	150.9	289	
554.4	249.8	N= 9	360.2	N= 8
.1	179.9	10- 1	213.4	
13=10	271		158.5	
	320.8		295.2	
	190.5		222.8	
	,U=14		230.2	
	N-14		174	
			278.8	
			N=17	

*	Date/Time	_
40	5/22/02 10:05 5/22/02 10:09	
	5/22/02 10:11	
	5/22/02 10:34	
**	5/22/02 10:41	
	5/22/02 10:53	
	5/22/02 10:54	
	5/22/02 10:54	
_	5/22/02 10:54	
	5/22/0:2 10:55	
	5/22/02 10:56	
i d 6	5/22/02 10:56	
	5/22/02 10:58	Ī
	5/22/02 10:59	
	5/22/02 10:59	
	5/22/02 11:00	i
	5/22/02 11:00	
ai .	5/22/02 11:01	
	5/22/02 11:03	
	5/22/ 0 2 11 :07	
	5/22/02 11:07	ŀ
_	5/22/02 11:03	I
	5/22/02 11:03	Ì
4	5/22/02 11:03	
	5/22/02 11:03	l
	5/22/02 11:10	
	5/22/02 11:11	
41	5/22/02 11:12	
	5/22/02 11:12	
	5/22/02 11:13	
14	5/22/02 11:13	j
	5/22/02 11:14	
	5/22/02 11:15	
18	5/22/02 11:15	
	5/22/02 11:16	
	5/22/02 11:20	
	5/22/02 11:21	
1-	5/22/02 11:21	
	5/22/02 11:21	
	5/22/02 11:22	
4	5/22/02 11:23	
	5/22/02 11:23	
	5/22/02 11:24	
1- 8	5/22/02 11:25	
	5/22/02 11:25	
	. '	

XRF#	Lead	+/-	Date/Time	7
7(1(1) 11	Loud		Datertime	1
1	NA		6/3/02 15:45	١,
2	239	45.4	6/3/02 15:46	
3	115.8	31.6	6/3/02 15:47	
4	135.2	34	6/3/02 15:47	l
5	202.6	53	6/3/02 15:48	l
6	234	47.2	6/3/02 15:48	
7	268	53.8	6/3/02 15:49	
8	187	46.4	6/3/02 15:49	
9	153.7	35.5	6/3/02 15:50	l
10	227.2	45.6	6/3/02 15:50	ł
11	_ 554.4	67	6/3/02 15:51	
12	<lod< td=""><td>39.15</td><td>6/3/02 15:57</td><td>-</td></lod<>	39.15	6/3/02 15:57	-
13	93.5	34.3	6/3/02 15:57	
14	194.6	45	6/3/02 15:58	
15	126	39.5	6/3/02 15:58	
16	768	81.4	6/3/02 15:59	
17	528.4	67.4	6/3/02 16:00	
18	584.4	70.1	6/3/02 16:01	
19	672	76	6/3/02 16:01	
20	734	76.1	6/3/02 16:02	,
21	415.2	50.1	6/3/02 16:03	
22	596.4	· 68	6/3/02 16:03	
23	474.4	63.6	6/3/02 16:04	
24	387.8	55.4	6/3/02 16:05	
25	339.6	57.1	6/3/02 16:05	_
′ 26 ·	128.1	43.5	6/3/02 16:12	
27	172	110	6/3/02 16:12	
. 28	264	60	6/3/02 16:14	
29	172.2	39.2	6/3/02 16:15	
30	349.6	54.5	6/3/02 16:16	
31	207.6	44	6/3/02 16:16	
32	625.2	69.4	6/3/02 16:17	
33	539.2	60.1	6/3/02 16:17	
34	78	31.5	6/3/02 16:18	
35	490.8	76.6	6/3/02 16:18	
36	153.3	38.5	6/3/02 16:19	
37	1349.6	110	6/3/02 16:19	
38	788.4	86.9	6/3/02 16:20	
39	117.8	35.4	6/3/02 16:31	
40	156.4	45.8	6/3/02 16:31	
41	235	44.9	6/3/02 16:32	
42	143.9	48.4	6/3/02 16:32	
43	129.4	41.2	6/3/02 16:33	
44	180.9	43.7	6/3/02 16:33	

02.18.0-419-09

02-18.0-420-009

452

02-180-419-05

162

Q2-18.0 -419-07/

	•		•		
E100/00 40 00 1	1 07	072.0	66.0	6/2/02 22:26	1
5/22/02 12:33	97 98	273.2 359.2	66.9 57.5	6/3/02 22:36 6/3/02 22:36	
5/22/02 12:34	99	244.4	53.1	6/3/02 22:37	
5/22/02 12:34	100	1169.6	88.3	6/3/02 22:37	1/ 1-0/
5/22/02 12:35 5/22/02 12:47	101	292.8	59.9	6/3/02 22:38	1/-/52 /
5/22/02 12:47	102	502.8	51.5	6/3/02 22:39	
5/22/02 12:47	103	1300	130	6/3/02 22:40	
5/22/02 12 49	104	1509.6	130	6/3/02 22:40	02-18.0-419-08
5/22/02 12 49	105	692.8	69.6	6/3/02 22:41	00 100 111 000
5/22/02 12 50	106	320	72.9	6/3/02 22:41	
5/22/02 12 50	107	1529.6	130	6/3/02 22:42	
5/22/02 12:51	108	1009.6	100	6/3/02 22:43	
<i>519.</i> 2102 12:51	109	1668.8	120	6/3/02 22:43	
5/22/02 12:52	110	142.3	41.9	6/3/02 23:04	†
5/22/02 12:52	111	218.8	49.4	6/3/02 23:05	
5/22/02 12:53	112	140.9	49.5	6/3/02 23:06	
5/22/02 12:53	113	134.8	43.9	6/3/02 23:06	A 7-180 UN.
5/22/02 12:54	114 115	219 1269.6	53.2 110	6/3/02 23:07 6/3/02 23:07	0 2-18.0-419-068
5/22/02 12:54 5/22/02 12:55	116	522.8	69.9	6/3/02 23:08	1,5
5/22/02 12:56	117	88.2	46	6/3/02 23:08	725
5/22/02 12:56	118	472.8	47.1	6/3/02 23:11	
5/22/02 12:57	119	219.8	50.4	6/3/02 23:13	
- 5/22/02 12:57	120	214	49.9	6/3/02 23:20	Γ /
5/22/02 12:58	. 121	243	50.8	6/3/02 23:22	
5/22/02 12:58	122	176.4	47.6	6/3/02 23:23 6/3/02 23:23	
5/22/02 12:59	123 124	109.8 253.2	37.7 46.1	6/3/02 23:25	107-180 NO 001
5/22/02 12:59 5/22/02 13:00	125	233.2	52.2	6/3/02 23:26	02-18.0-419-096
5/22/02 13:00	126	175.7	49.4	6/3/02 23:26	
5/22/02 13:01	127	515.2	53.4	6/3/02 23:27	
5/22/02 13:01	128	150.9	40.4	6/3/02 23:29	
5/22/02 13:02	129	113.8	32.4	6/3/02 23:40	
5/22/02 13:03	130	184.2	46 37.7	6/3/02 23:40 6/3/02 23:41	
5/22/02 13:03	131 132	130.6 142.9	37.7 37.5	6/3/02 23:41	
5/22/02 13:04	133	195	35.9	6/3/02 23:42	
5/22/02 13:04 5/22/02 13:05	134	381.8	52.7	6/3/02 23:42	
5/22/02 13:05	135	436.8	58	6/3/02 23:43	
5/22/02 13:06	136	585.2	80.4	6/3/02 23:43	
5/22/02 13:06	137	289	64.3	6/3/02 23:44	,
5/22/02 13 07	138	360.2	57.9	6/3/02 23:45	107-18 A 419 and
5/22/02 13:07	139	213.4	56	6/3/02 23:45	02-18.0-419-056
5/22/02 13:08	140	158.5	42.2	6/3/02 23:45	
5/22/02 13 ()8	141	295.2	51.9	6/3/02 23:46	
5/22/02 13 32	142	222.8	57.9	6/3/02 23:46	
5/22/02 13:33	143	230.2	43.4	6/3/02 23:47	
5/22/02 13:33	144	174	48.5 51.8	6/3/02 23:48 6/3/02 23:48	
5/22/02 13:14	145 146	278.8 176.9	42.2	37411.00374	
5/22/02 13:34	147	126	40	37411.00374	22 (6
5/22/02 13:35 5/22/02 13:35	148	186.3	49.1	37411.00444	02-18.0-419-079
JIZMUZ JJ.CU				1	1 ' /

5/22/02 13:36	
5/22/02 13:36	
5/22/02 13:37	
5/22/02 13:37	
5/22/02 13:38	
5/22/02 13:38	
5/22/02 13:39	
5/22/02 13:39	
5/22/02 13:40	
5/22/02 13:40	
5/22/02 13:41	
5/22/02 13:41	
5/22/02 13:42	
5/22/02 13:42	
5/22/02 13:43	
5/22/02 13:43	
5/22/02 13:44	
5/22/02 13:45	
5/22/02 13:45	
5/22/02 13:46	
5/22/02 13:46	
5/22/02 13:47	
5/22/02 13:47	
5/22/02 13:48	
5/22/02 13:48	
5/22/02 13:49	
5/22/02 13:49	
5/22/02 13:50	
5/22/02 13:50	
5/22/02 13:51	i
5/22/02 13:52	
5/22/02 13:5.2	
5/22/02 13:53	
5/22/02 13:53	Ì
5/22/02 13:54	١
5/22/02 13:54	
5/22/02 13:55	
5/22/02 13:55	1
5/22/02 13:56	l
5/22/02 13:56	
5/22/02 13:57	1
5/22/02 13:57	
5 /22/02 13:5 8	1
5/22/02 13:59	
6/22/02 13:59	1
5/22/02 14:00	
	1
5/22/02 14:01	
5/22/02 14:01	
5/22/02 14:02	1
5/22/02 14:02	
5/22/02 14:07	1

	149	275	57.4	37411.00477
	150	285.6	62.8	37411.00506
	151	247.6	52.7	37411.00536
	152	800	82.5	37411.00566
	153	576.4	76.4	37411.00613
	154	330.4	58	37411.00653
	155	·112.6	36.5	37411.00692
	156	51	29.5	37411.00734
	157	96.9	39.7	37411.00765
	158	<lod< th=""><th>42.45</th><th>37411.00797</th></lod<>	42.45	37411.00797
	159	<lod< th=""><th>35.1</th><th>37411.00833</th></lod<>	35.1	37411.00833
	160	160.5	43.7	37411.0087
İ	161	138.8	47.5	37411.01056
i	162	107.5	36.8	37411.01088
	163	596.4	64.7	37411.01119
	164	300.6	59.7	37411.01166
	165	90.2	34.8	37411.01205
	166	231	60.4	37411.01247
	167	110.9	33	37411.01279
	168	279.4	51.3	37411.01317

02-18.0 419-092

BODINE T ENVIRONMENTAL SERVICES, INC.

Environmental Consulting & Contracting

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

6-3-02

Client: Illinois Environmental Protection Agency

Job Description: East Saint Louis Awning Site #160

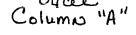
__ LPC#: 1630455241

Parcel Number: 02-18.0-419-094

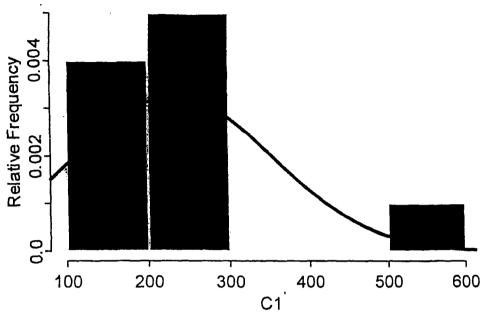
Name and Address: LV THOMAS & JIM HAYE - 505 GRAY BLUD.

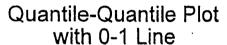
WF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
3 4	Al					239						
3	A3					115.8				7.83		
21	45					135.2						
3	BI					202.6						
6	-6 P	to print, and industrial comments of the comme				234						
7	51					268					124	
8	Et					187						
89	£3					153.7						
10	E/					227.2						
11	# 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3					55件對						
	THE STATE OF THE S											
		The second secon										
	Control of the second of the s											
		No.										
		7										

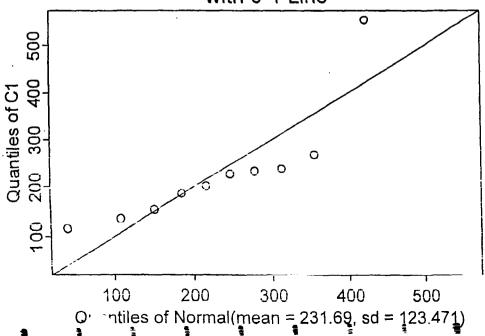
Results of Shapiro-Wilk GOF Test for C1 in awning

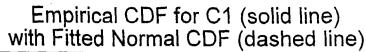


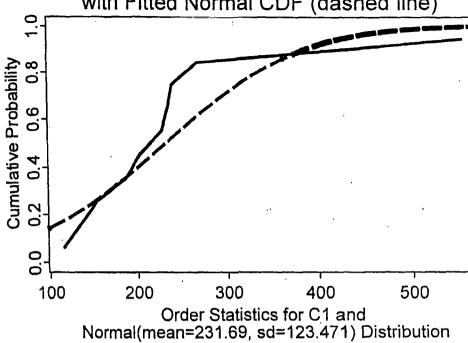












Results of Shapiro-Wilk GOF

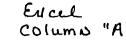
المحادية والأمامية

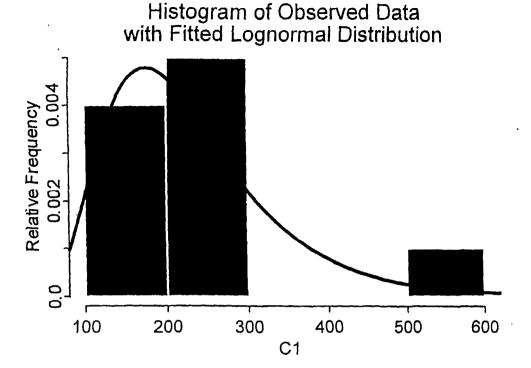
Hypothesized Distribution:	Normal
Estimated Parameters:	mean = 231.69 sd = 123.471
Data:	C1 in awning
Sample Size:	10
Test Statistic:	W = 0.7479986
Test Statistic Parmeter:	n = 10

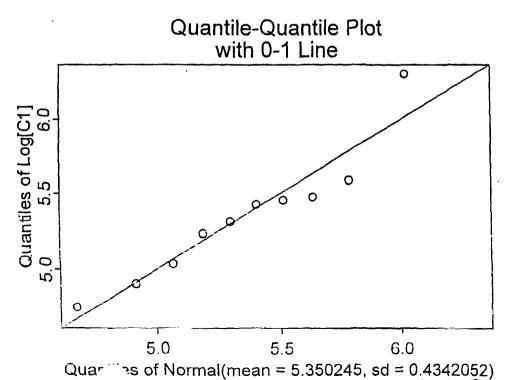
P-value: 0.003373936

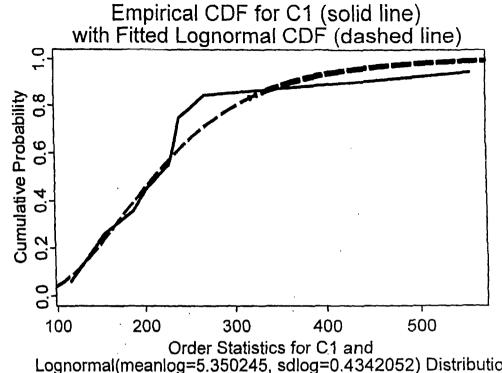
Nul Rejected: unot inormally distributed

Results of Shapiro-Wilk GOF Test for C1 in awning









Results of Shapiro-Wilk GOF

المصائحة والمصادات

Hypotnesized Distribution:	Lognormal
Estimated Parameters:	meanlog = 5.350245 sdlog = 0.4342052
Data:	C1 in awning
Sample Size:	10.
Test Statistic:	W = 0.92126
Test Statistic Parmeter:	n = 10
P-value:	0.3675837

Null accepted: lognormally distribute!

Results of Distribution Parameter Estimation

Assumed Distribution:

Lognormal

Estimated Parameter(s):

mean = 229.1651

cv = 0.4407555

Estimation Method:

mvue

Data:

C1 in awning

Sample Size:

10

Number NA/NaN/Inf's:

7

Confidence Interval for:

mean

Confidence Interval Method:

Land

Confidence Interval Type:

upper

Confidence Level:

95¥

Confidence Interval:

rcr = 0

UCL = 315.1526



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

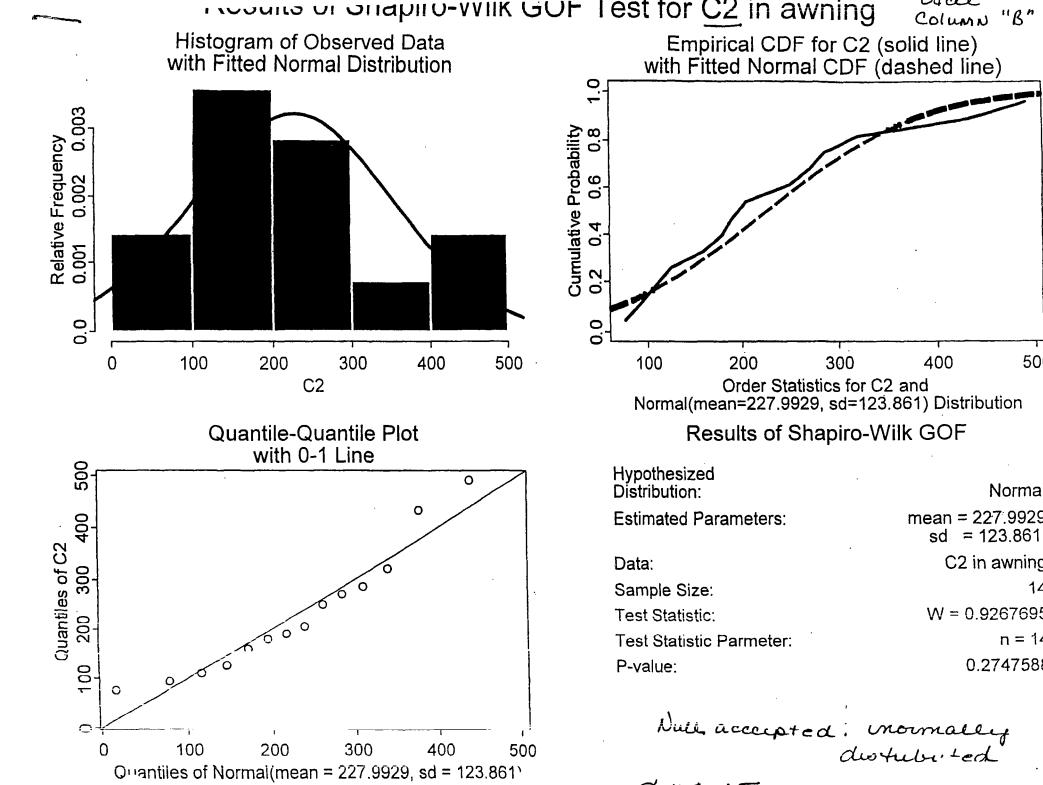
Job Description: East Saint Louis Awning, Site #160

LPC#: 1630455241

Parcel Number: 02-18.0-419-057

Name and Address: T-jay Inc. 583 Gray Blvd.

			1	7				/				
XRF	Location ID	Time	Fe	Mn	Zn	Pb"	Cu	As	Sr	Rb	Zr	Мо
59	A_1					93.5						
60	A) A2					76						
	74-	ind Street in				NO						
62	B/					204.8						
63	72	end - Straw objection to 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 1 - 2 - 2				126.						
64	多十					160.3						
65	- 41	ORING				49054						
66	7)					286						
67	A (2)		74.44			432.8						
68						2 1 8 2 1 8						
69						#24						
70	10					24						
77						2						
72	C.					聯系						
	# - 13#4 to 15 a to 5											
	CONTRACTOR OF THE PARTY OF THE											
	Complete Complete and Deliver Complete											



"B"

50

Norma

n = 14

Results of Distribution Parameter Estimation

Assumed Distribution:

Normal

Estimated Parameter(s):

mean = 227.9929sd = 123.861

Estimation Method:

mvue

Data:

C2 in awning

Sample Size:

14

Number NA/NaN/Inf's:

3

Confidence Interval for:

mean

Confidence Interval Method:

Exact

Confidence Interval Type:

upper

Confidence Level:

95%

Confidence Interval:

LCL = -Inf

UCL = 286.6165

Statistics Column "E

Waste Management 24-hour Service Site Remediation **Environmental Audits**

Tank Removal/Cleaning · Air Monitoring Spill Response RCRA Closures

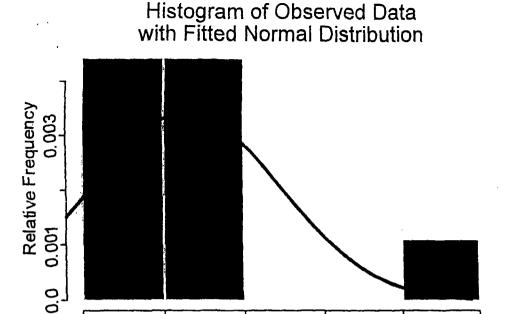
ENVIRONMENTAL SERVICES, INC.

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

	Job Description: East Saint Louis Awning, Site #160 LPC#: 1630455241									1		
	Parcel Numb	er: C	12-	8.0	-41	9-00	16					
	Name and A							-5	01 6	RAY	BUD	>.
	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
120	A2					214						
121	49	\$ page 120 \$2-25				243						
122	-44					176.4						
123	AG	3-10 Off				109.8						
124	81					283.2						
125	0					221						
126						ทธา						
127	<i>E3</i>					515.2						
129	FI	All Barrier				150.9						

results of Shapiro-Wilk GOF Test for C3 in awning



300

C3

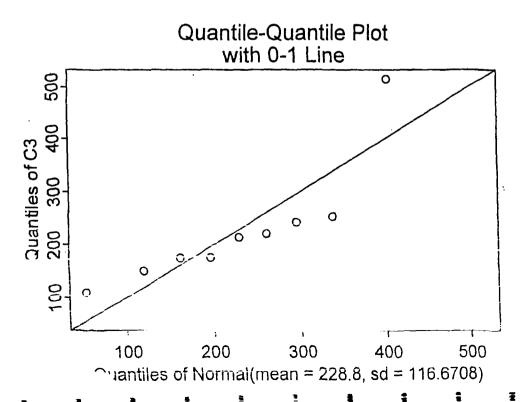
100

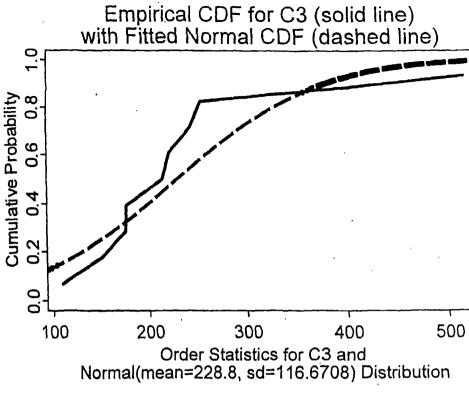
200

400

500

600





Results of Shapiro-Wilk GOF

Distribution:	Norma
Estimated Parameters:	mean = 228.8 sd = 116.670

Data: C3 in awnin

Sample Size:

Hypothesized

Test Statistic: W = 0.769115

Test Statistic Parmeter:
P-value:

Null Rejected! most mournaley

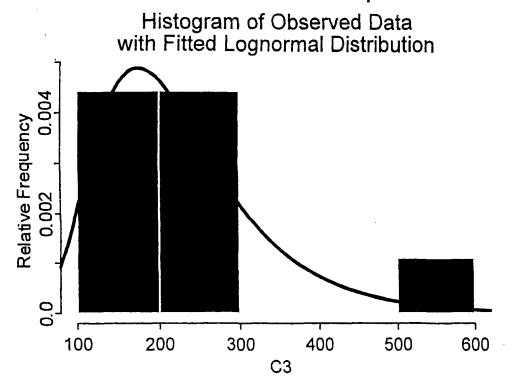
7=1=05-

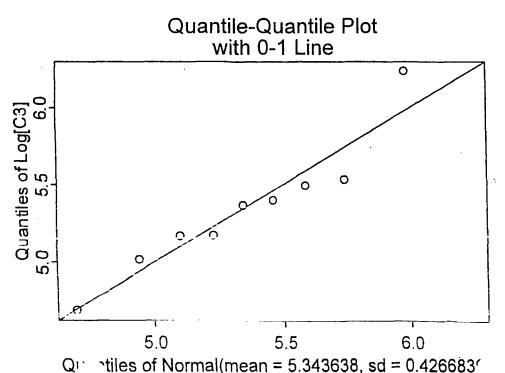
i i

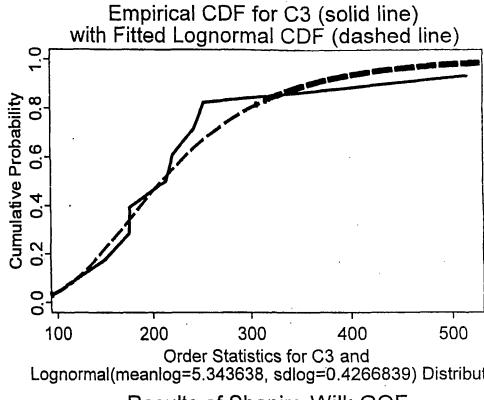
0.00902248

Column "(

Results of Shapiro-Wilk GOF Test for C3 in awning







July

Column "C"

C3 in awning

W = 0.929574

n = 9

0.4773

Results of Shapiro-Wilk GOF

Hypothesized Distribution: Lognormal **Estimated Parameters:** meanlog = 5.343638= 0.4266839sdlog

Sample Size:

Data:

Test Statistic:

P-value:

Test Statistic Parmeter:

Null accepted: l'ognormally destubret-de

Results of Distribution Parameter Estimation Lognormal

mean = 226.7641 Assumed Distribution: 0.4317209 Estimatec Parameter(s): cν mane

Estimation Method: c3 in awning 9

pata:

Sample Size: 8 Number NA/Nak/Inf's:

meanCondidence Interval for: Land

Confidence Interval Method:

upper Confidence Interval Type:

95%

186

Confidence Level:

UCL = 318.0086 Confidence Interval:



Tank Removal/Cleaning
Air Monitoring
Spill Response
RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency.

Job Descriptio	n: East	Saint I	ouis A	wning	, Site #16	0		_ LPG	C#: 163	045524	.1
Parcel Number:	02	-18.	0-4	19-0	556						
Name and Addi						56	ray E	3/20-			
Location I	ime	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
A-1					113.8						
A-2					184.2						
A 5					130.6						
BF -					195				-		
32					381.8						
<u> </u>					436.8						
Did .					289						
E 4											
THE STREET SHEET WITH SECTION	1				-T-272,074 /2.						

150

130.2

17#

278.8

Bodine Environmental Services, Inc. Job Number # 112025

138

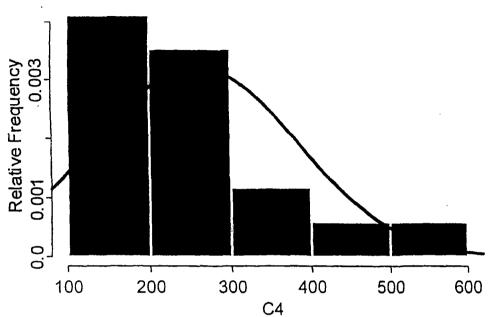
140

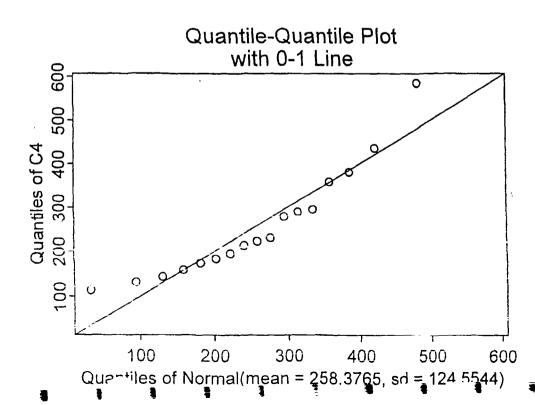
142

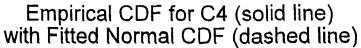
143

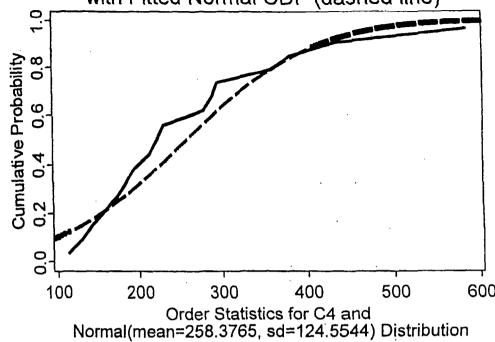
Results of Snapiro-Wilk GOF Test for C4 in awning











Results of Shapiro-Wilk GOF

Hypothesized Distribution:	Normal
Estimated Parameters:	mean = 258.3765 sd = 124.5544
Data:	C4 in awning
Sample Size:	17

Test Statistic: W = 0.8972978
Test Statistic Parmeter: n = 17

Test Statistic Parmeter: n = 17
P-value: 0.06122038

Null accepted: inormally distributed

Erkel Column "D"

Results of Distribution Parameter Estimation

Assumed Distribution:

Normal

Est:mated Parameter(s):

mean = 258.3765

sd = 124.5544

Estimation Method:

mvue

Data:

C4 in awning

Sample Size:

17

Confidence Interval for:

mean

Confidence Interval Method:

Exact

Confidence Interval Type:

upper

Confidence Level:

95%

Confidence Interval:

LCL = -Inf

UCL = 311.1177

Statistics Column E

ENVIRONMENTAL SERVICES, INC.

Waste Management 24-hour Service Site Remediation **Environmental Audits** Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

Job Description: East Saint Louis Awning, Site #160

LPC#: 1630455241

161

163

164

165

166

167

168

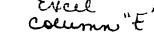
Parcel Number: 02-18.0-419-092

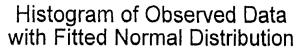
Name and Address: CHAPMAN, ROBERT - 509 GRAY BUD.

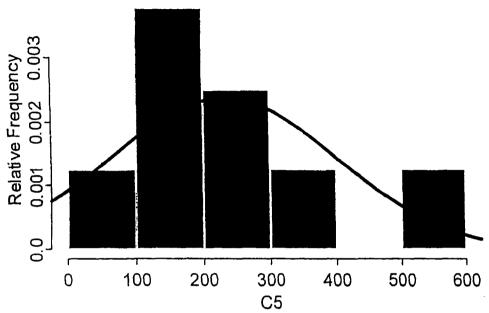
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
A2					138.8						
A2 A3					107.5						
4-4	A Part of the last				596,4						
	7 () () () () () () () () () (300.6						
	Annual States and Annual State				90.2						
POP HOS					231					1	
723	SART BUTTON				110.9						
63					279.4						
							200				
	进步的建立										
	AN PERSONAL PROPERTY.						*	1	ECA		
								VIIA.	IEPA	ED	
							00/	NON	07 20	, p. 1.	
								WENT	E	2 (4	
								LINSVAL	OFF	CB	

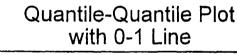
Bodine Environmental Services, Inc. Job Number # 112025

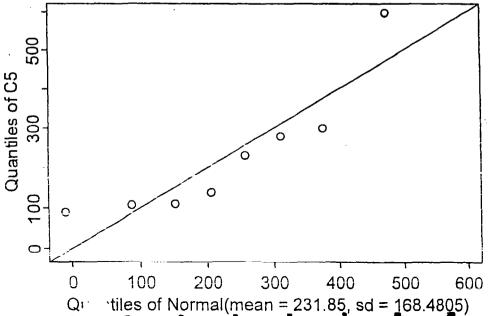
Results of Shapiro-Wilk GOF Test for C5 in awning



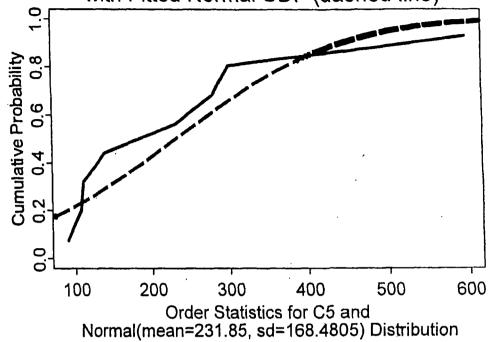










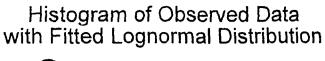


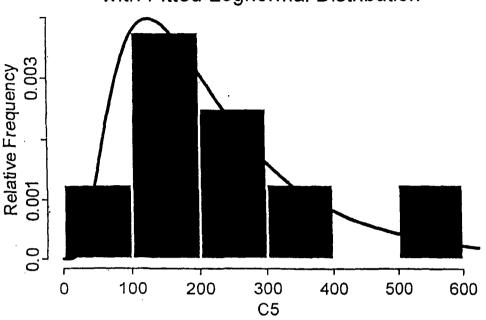
Results of Shapiro-Wilk GOF

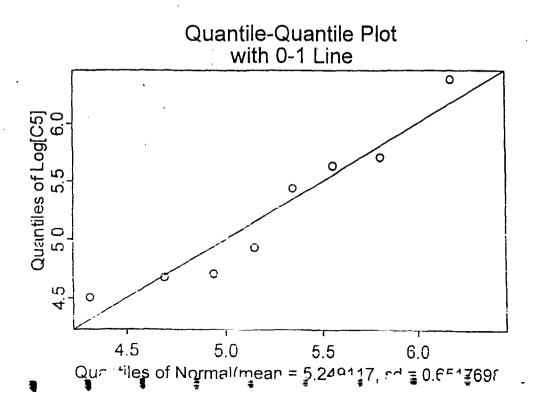
Hypothesized Distribution:	Normal
Estimated Parameters:	mean = 231.85 sd = 168.4805
Data:	C5 in awning
Sample Size:	8
Test Statistic:	W = 0.8136806
Test Statistic Parmeter:	11 - 6
P-value:	0.040026

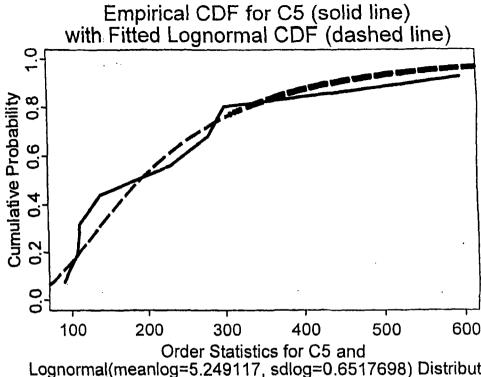
Mull rejected: mot mormally distributed

Results of Shapiro-Wilk GOF Test for C5 in awning









Results of Shapiro-Wilk GOF

Hypothesized Distribution: **Estimated Parameters:**

Lognormal meanlog = 5.249117sdlog = 0.6517698

Excel

Data:

Sample Size:

Test Statistic:

Test Statistic Parmeter:

P-value:

W = 0.9253653

0.4748887

C5 in awning

Null accepted. Tognormally distributed

Results of Distribution Parameter Estimation

Assumed Distribution:

Lognormal

Estimated Parameter(s):

mean = 228.4448 cv = 0.6641501

Estimation Method:

mvue

Dawa:

C5 in awning

Sarple Size:

В

Nurber NA/NaN/Inf's:

Confidence Interval for:

mean

Confidence Interval Method:

Land

Confidence Interval Type:

upper

Confidence Level:

95%

Confidence Interval:

UCL = 450.725

Appendix H

Field Data Sheets



Tank Removal/Cleaning
Air Monitoring
Spill Response
RCRA Closures

	Client: Illino					_ ,					· · · · · ·	
	Job Descript	tion: East	Saint I	ouis A	wning,	Site #16	0		LPO	C#: 163)45524	1
	Parcel Numb	er: <u>0</u> 2	- 19.	<u> ラース</u>	04-0	35						
	Name and Ac	ddress:	Theo	clore	. Ch	Nhec	lain	4	006	cay B	Ivd	
	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
45	A.5					127						
146	A MG			ļ		278			<u> </u>		<u> </u>	
147	A 47		ļ 	<u> </u> - 		244						<u> </u>
148	A				<u> </u>	223				ļ		
49	AM	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		<u> </u>	ļ	246		ļ			<u> </u>	
15C	A 17					195				<u> </u>	<u> </u>	ļ
151	A 4 12				<u> </u>	218						<u> </u>
152	BH				ļ	97		<u> </u>	ļ	<u> </u>		
153	B 5	- valern godis		<u> </u>		127		ļ	ļ		 	
154	B6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				90		ļ	ļ			
155	3-7-	control of the finding				62		ļ	ļ			
156	138			-	ļ	437		ļ	<u> </u>			_
157	B9-					41		ļ			<u> </u>	<u> </u>
158	BIO			ļ		69						
159	B12					87				_		
ist	CH					47						
161	(5					60						
162	CC					71						
162	(7					104						

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Client: Illing Job Descrip						50			C#: 163	045524	1
Parcel Numb	oer:	02	2-10	9.0	- 204	1-0	3.5				
										W /	
Name and A	.ddress:		The	odol	e (han	ibe	laiv	1	TCU G	Dray
Location	Time	Fe	Mn	Zn	Ph	Cu	As	Sr	Rb	Zr	Mo
ID (********						1					
C12-					16.2	(162)					
的类					Te A	300)					
					14	(do)					
					2725	(30)					
						(331)					
						(81)					
D7					101	-					-
					NO.	85					-
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100		144	(128)					
					組織	193					
			7.00			64					
						64)					
						51)					
						(58)					
The state of						199					
						(ववं					-
						(45)				1	-
											-
						56)		2.53			
						48)					
					197	48					

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Client: Illing Job Descrip						50		_ LP	C#: 163	045524	1
Parcel Numb	er:	0	2-19	0.1	- 204	+-03	35				
Name and A								ain	40	O GR	ey Bi
					Sa adalesta (non c						1
Location	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
T TO	4/25/11/25/25										
-F2-			4		本事	66					-
					16	MA					
	The state of the				10	(10)				-	
					17	77)					
					2,3	(53)					
7 7 2					247	(47)					
	Tropic Control					(47)					
						(45)					
						(57)					
						69)					
		No.			Eirra Carrin, Ha	(169)					
						113					
		200				(244) (TOH)	-				-
											-
						70)					
						114					
66						(54)					
						(48)					
						(64)	13.00			Talk a	

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

	Client: Illino Job Descript					_	50		_ LP	C#: 163	045524	1
	Parcel Numb	er:	02	- 19	.0-	204	- 03	5				
	Name and A	ddress:		The	odo	ie C	bran x	certa	in	40	o Gr	ay B
KRF	Location I	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
2 E							(19)					
203	A T	《集选》				130	(30)					
204	4 7					203	203					
205	A 3					38	(38)					
206		es dissiplinary con-				345	243					
207	H 55°					17	117					
204	B # 6					-37	(84)					
200	1					1/2	(120)					
210						CIE	(43)					
211							(PD)					
212							(72)					
213	3						99					
214							(100)					
		BANK BUTTON										
		A STATE OF THE STA										
		7										

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

1100

41:8

ob Descrip	tion: East	t Saint	Louis A	wning	Site #16	50	 	_ LP	C#:_163	045524	.1
arcel Numb	per: <u>03</u>	-15.	2-116	<u> -01</u>	4						••
lame and A	.ddress:/	1/ac+5	e/8 H	inders	10.7 4.	3 <i>i G</i>	ray	Blvd			
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
AI					.225						
42					89						
A3	. Abstraction				140						
.45					154						
BI			1		230						
32					179						
B5					197						
<u> </u>					341						
C2					233						
65	en et gere al contrator				180						
DF:					174						
D2	(1) 据验 字/语数				269	_					
05					208						
Elec	The second second				191						
£-2					197						
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				27				 		

FI つり F3 F5 GI

s.i s**ib**i



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Job Descrip Parcel Num				_		50		_ LP	C#: 163	045524	.1
Name and A	Address:	Doc	+hy -	hon	<u> </u>	25 (Stay	Blvd	2	- , -,	
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	M
Al					85						
A2			<u> </u>		121						
AZ	The state of the second				235						
AY					14/						
BI		ļ. 	ļ		372		<u> </u>				
乃入				<u> </u>	310						
134			<u> </u>		168						
C4	1. 1. 1.		ļ		321			ļ		<u> </u>	
	bill		ļ		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			<u> </u>		_	ļ
			ļ		Suprefred		ļ			ļ	
							<u> </u>	<u> </u>			
			<u> </u>				ļ	ļ .	ļ		
		 -	ļ	ļ	s-more a			<u> </u>	<u> </u>		
					52 / 20 / 2 52 / 20 / 2 52 / 20 / 2 53 / 20 / 2 53 / 20 / 2 54 / 20 / 2 54 / 20 / 2 54 / 20 / 2 54 / 20 / 2 55 / 2 56 / 2 57 / 2 5		ļ		ļ		
		_			13.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4						_
					1000	}					
					44						\perp
	1 "	_				1	1	1		ì	- 1



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

ļu.	Client: Illino											
	Job Descrip	tion: East	Saint I	ouis A	wning,	Site #16	0		. LPC	# : _1630	455241	
¥1	Parcel Numb	er:	2-15	1.0-	420	<u> </u>	7				···	·
⊬dl	Name and Ac	ddress: _[31Acr	<u>intli</u>	, B.	CKEIZ	73.	- 500	+ Ge	74 B	ردی.	
. XRF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
269						231						
201						181						
271	B3					105						
272	B 7					125				,		
73	E3					184						
73 274						145						
m 275	F3			-		242						
276	F7			<u> </u>	L	124	!	 	ļ <u>.</u>			
277	624	1 2 2 2 2 3				102			ļ			
278	44			-		330						
-												
Li	A CONTRACTOR OF THE STATE OF TH			<u> </u>								
)							-	-		<u> </u>		
۲	A SECTION AND A SECTION	Long Andrews			-	10000000000000000000000000000000000000						
		1:						-				
11									-			
											<u> </u>	



Tank Removal/Cleaning Air Monitoring Spill Response **RCRA Closures**

Environmental Consulting & Contracting

r ili

lient: Illing ob Descrip						<u> </u>		_ LP	C#:_163	045524	1
arcel Numb	er: <u>ಲ.ನ</u>) - 18	5.0-C	30-	093						
lame and A						96	, 	Ri.I)		
Name and A	icress:	7 - 1a	(א אין אינא		<i>0</i>	nay_	DIVO	:	-	
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	М
Al					341						
Aa					148						
A3	, I. o., a lassitio I s				158						
BI					254						
3 3	2 · · · · · · · · · · · · · · · · · · ·				143						
BЗ					262						
FI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				312						
Fa	1				175						
F3					98.6		<u> </u>				
FH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				756						
61 -	्रा क्षेत्रक विकेश होते. स्वत्रकारिकालक विकासिक स्वत्रकारिकालक विकासिकालक विकासिकालक विकासिकालक विकासिकालक विकासिकालक विकासिकालक विकासिकालक विकासिकालक विकासिका				240						
606					200						
ζ3 μ3	· 100 100000000000000000000000000000000				83.3						
. [[] .]	1				141						
The state of the s											
					- 12:12:						

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

Job Description: East Saint Louis Awning, Site #160

LPC#: 1630455241

Parcel Number: 02-18.0-420-029

Name and Address: St. Carz Co. Lauster-540 Gary Biob.

11mg C	dung #	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
1	37 38	AZ					310						
şı-d	38	A-3					113						
t - +	3લ	A4	and the second				90.5	-					
t - #	40	Bà					BDL						
i IIII	41	BIAN B3					BOL						
	43	B4					BDL						
) 200	43	(J.	e e e e e	_			114						
	44	<3 c 4					BOL						
51 86	45	C 4					BDL 43.6						
	46	<u> </u>											
	47	103					BOL						
	48	5.2 1.2 1.2 1.2 1.3					BDE						
	49	- EJ					46.4						· .
ļı.	50	€3					B⊅Ľ						
	51	EH					BOL						
٠	52	-FJ					-48,1						
	53	F3					180						
	54	F4					131						
1.60	SS						146						



Tank Removal/Cleaning
Air Monitoring
Spill Response
RCRA Closures

				ois Envir						 					
		Job D	escrip	tion: Eas	t Saint l	Louis A	wning,	Site #16	<u> </u>		_ LPC	: <u>163</u>	045524	1	_
				жr: <u>о</u> д.											_
לשמ	COAT!	Name	and A	ddress: 2	7. CL	ATR .	<u>co. 7</u>	12057	<u> </u>	540	OG AR	1 BL	VD.	·	_
	<u> </u>				<u> </u>					1	1			Т	7
		Loca	fion	Time	Fe	Mn	WAY.	Pb	Cu	As	Sr	Rb	Zr	Mo	
				**			Pb			 		 	 		4
ک	G3						79.8			·		<u> </u>			
7	64						117			1				1	I
g _	165-			Jimes 1											I
8	H3						171					 	 		
. •						 	1			1		 -	 		
	ĺ		#19 ¥			-	-				 	<u> </u>	<u> </u>		
	Į						ļ		·			ļ	<u> </u>		
									v,						
										ļ					
								S							
							-								
															
			- ; ; ; ; ;												
ļ									·					· ·	
1															
į		護寶							•						
,															
	1				•										
							-								
			第												
									į						



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Client: Ill-na ob Descrip						50		_ LP	C#:_163	045524
arcel Numb	er: _ ೦೯	<u>) – (</u> ?	5.0-	4 2c		<u> </u>				
ame and A							541	- 60	r Bi	vi
name and A	duress: <u>s_</u>			01110	<u> </u>			<u> </u>	490	
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr
Al					82					
A A					53, હ					
A3	er ogsøyert kan				iat					
B1	-1				148					
B->					119					
B3					130					
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
<u> </u>										
					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	1 1 A 1 A 1				2 (12 4 (1) 24 (1) (24)			<u> </u>		
	man in a management of the second sec				Company of States			<u> </u>		
The second second second	A STATE						<u> </u>			
الهاد										
	10 10 10 10 10 10 10 10 10 10 10 10 10 1				\$ 250 \$ 750					
-										
	-			1	1 2 11 44 711 11 21 21					

Waste Management 24-hour Service Site Remediation Environmental Audits

Tank Removal/Clearing Air Monitoring Spill Response RCRA Closures

Job Descrip	tion: Eas	t Saint	Louis A	wning	, Site #16	50		_ LP	C#: 163	045524	11
Parcel Numb	er: 03	-18.	0-4	19-	071						
Name and A	ddress:	Sha	C801	H	SWaro	9	549	Gray	Blud	 -	
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	M
Al					117.8		1		- 		1
42					156.4						1
A3	and the second of the second				235						1
46					143.9					†	\dagger
AT	The second of th				129:4				-		1
B	\$1				180.9						
3-3					6262.5						
3 6					82.2						
3.7.					120-8						
4	ar de l'angle (1. Caralle la			-,,	1113						
1.4	Action of the				LEZA.	-,					
为指示		·			104.	<u></u>					
艾季 、李	A state is										
£ 5.					200						
PZ.					2100 1463						
FF					100-6						
文字: 字字: 字字: 字子: 字子: 字子: 字子: 子子: 子子: 子子: 子	***				87.9						
13					21.3						

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

and	Client: Illinois Environme	ntal Protec	ction A	gency						
	Job Description: East Sair				50		_ LPC	C#: 163	045524	1
h-d	Parcel Number: 02-	-18.0-	-41	9-10	ين					· · · · · · · · · · · · · · · · · · ·
b:5	Name and Address:	CHEL	iizy)	JER	RY-	<u>553</u>	GRAI	y Bc	ub.	
w KF	Location Time Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
74	Alexander			182.2						
" 75	A3 A2		<u> </u>	173.8					ļ	
76	137 193			235.8						
フフ	B	1		120.6						
78	82			107.8						
79				217.8						
5-0	41			321.6					 	
	E4 ET			120	Pb					
81	FEK F			四 5-7	و12 أ					
85				1865	145.7					
83	41 - 4			455	178.5					
84	Br CI			100	135.5					
85	1.7.									
, u								-		
1				100 C.						
						 				
· -				-57512 (2) (256-24) (266-24)						
	TOTAL CONTROL OF THE PROPERTY			72277						



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

119	Client: Illino						.0			C#. 163	045504	
	Job Descript				_		U		_ LP	∪#: <u>163</u>	U45524	
	Parcel Numb											
	Name and Ad	ddress:(n at h	ecine	Bien	<u>~ 5</u>	59	Gra	y Blu	D	_	
Acading #	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
239	Al					ia5						
* 440	A-2					300						
741	A-3	e sum est				301						
242	A4					268						
143	BX 151 B3 B4	2 - 12 C 1			ļ	169		ļ			<u> </u>	
245	<u>B3</u>			ļ		340						
246	B4			ļ		226		1		ļ	<u> </u>	
247				_		242		ļ				
348	DI EI	a di sene da la				308		ļ	-	<u> </u>	 	
1 8	1				-	257		-	-		 	
150	63	A STATE OF THE STA		ļ		74.4		-				
•	FL	in the second		ļ	-	119		-		-	 	
725	<u> </u>					78.1		ļ	-	<u> </u>		
il				<u> </u>		12 (2 (2)) 12 (2) (2)		 				
244	<u> </u>			ļ	-	116		ļ				
253	(st			ļ		249	ļ				- 	<u> </u>
254	69					113		ļ				
								ļ			 	
•		Tail to				-						

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency Job Description: East Saint Louis Awning, Site #160 LPC#: 1630455241 Parcel Number: 02-18.0 - 420-018 JAMES - SGB GRAV BLUD. ME ZVE-Name and Address: WITHERSPOON LCAT WIN at Fe Cu Mn As Sr Rb $Z_{\mathbf{r}}$ Mo ID Pb 191 98,7 Fa ,O FG 61 (پسی) 6-4 97 65 96 66 18 234

Bodine Environmental Services, Inc. Job Number # 112025



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	Job Descrip	tion: East	Saint	Louis A	wning,	Site #16	50		_ LP	C#: 163	045524	.1
al .	Parcel Numb	er: <u>53</u>	18.	0-419	3-07	7.5	·					
	Name and Ad						54\15	43 G	44~~~ G	3102,		
,	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
(55	Al					161						
256	AL					344						
257	AH					255						
128	AST.				<u> </u>	296						
59						158					<u> </u>	
9.00	47 F1					80.7						
241	FI					165				ļ		
767						245						
163	<u>F7</u>				ļ	75.8						
264	63	4 - 1 - 1 - 1 - 1 - 1		ļ		22,1				<u> </u>	-	
265	65	And the second second		<u> </u>	ļ <u>-</u>	131				<u> </u>		
299	67					82.5	79.4			<u> </u>	ļ	
		Control of the second		ļ		79					ļ	
					ļ				<u> </u>			
		- 200										
		 	Γ									



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

	Client: Illino						-					
	Job Descript									#: 1630	1455241	
	Parcel Numb	er:	12-	19	0 -	200	1 -	036	0			
	Name and Ad	ldress:	MHH	_								
XRF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
97	The second second					+95						
98	物更對	· 在 · · · · · · · · · · · · · · · · · ·				334						
99	90//					杨			7.54.0			
100						767						
101						20						
102	6115					175						
103						268						
		7,6										
								\$1 a.a.a.				
		20年1月2日日本の日本の										
		THE WATER STATE										
		A STATE OF THE PARTY OF THE PAR	DESCRIPTION OF	1 3 3 7 7		2000	William Co.			0.15		Marine Service



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Parcel Numb Name and A	oer: <u> </u>	- 18-0	0-42	0-49	?					·	
Name and A	ddress: _t	East S	ما بن	wie fil	, 13	, (ray P	Slul		· · · · · · ·	
Location D	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
4-2					155						
A3					164						
A-21				<u> </u>	116		<u> </u>				
B2					249						
183					103						
B4					108						
61					254		ļ				
141					202		<u> </u>				
···		ļ	ļ		1		↓		_		
	100			ļ			<u> </u>	_	<u> </u>		
A part of the control	A STATE OF THE STA						ļ	_			
			<u> </u>				ļ			_	
					A Charles						
					Taran Taran						
					TOTAL NAMES						
رو الواجعة الرياضة الرياضة والمرادية المنسوب الداسي وا											
	÷ ; ;										
	Arkini										

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

	Client: Illino								T. D.	CU 1.60	0.4550.4		-
	Job Descrip				_		<u>U</u>		_ LP(C#: 163	U45524	<u> </u>	
•	Parcel Numb	er: <u>02</u>	-19.	0-2	04-	031			·				_
	Name and A	ddress: 🚣	Vint	Ged	Hoy	jan_	402	Gray	Bi	,d			_
KRE	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo	
215	A2			_		1/4							
216	43					89							
217	A-4"	t to a temperature of				61							
218	A 5					96							
-19	A 6,	1				88							
220	A7					88							
2/2/2w	B2_					76] ,
222	33					439] :
223	B 4	To make distinguish the				53.							
25 224	B-5					7/							
4 2-5	86					67							
25 229 46 225 7 226	B 7				<u> </u>	9	<u>-</u>		<u> </u>				
8227	Enl	等 对 的可能。			ļ	52							
9 2-25	1 2					< 91							
70 3-29	72					437					i		
11-250		The second second				43							
27:1	1 5					-34							
3- 3-2	1/2					234							
,						_ /		1					-1

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	Job Desc	ript	ion: Eas	Saint I	ouis A	wning,	Site #16	0	·	_ LP	C#:_163	045524	1
	Parcel N	umb	er:		0.	2 - 19	.0 -	20L	1-03	1	 <u>.</u>		
	Name an	d Ad	ldress:	Hogan	, س. ۲۰	F3		102 (g cay	B (0 2	1	······	
•	Locatio ID		"一个"	Ta	Mn	Zhi Pb	Pb	Cu	As	Sr	Rb	Zr	Мо
		70°E		FI		66							
		17.2 2.2 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8		FZ		-39			-			-	
		100		F3		455				-		 	
				F4 F5		61			-				-
			157,3	F6		50							
			To Annual State	F7_		62							<u> </u>
? -;				61		56		·			-		
?				12		58			<u> </u>	-			
 !				4		68							<u> </u>
				5		64							
,				16		66			-	-		-	<u> </u>
, 				67		153				<u> · </u>	-		
<i>y</i>				H1 H2		129			 	+		-	+
<u>/</u>				H3		107				-			+
<u>}</u>				H4		97							
7				745		111							

562

ENVIRONMENTAL SERVICES, INC.

Waste Management 24-hour Service Site Remediation **Environmental Audits** Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

',	THO II III O II	u. 001	, , , , ,	ing a	0011	li a C i i i	ı y				43	,
	Client: Illino Job Descrip					_ ,	50		_ LP(C#: 163	045524	<u> </u>
	Parcel Numb						'esit	4 16	Gray	Blu	el .	
	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
	A					41						
	A2					129						

		110			_	•		 ·			
	104	A				7					
	104	AZ		 		129					
ı k al	10°C	43	,ciw			112		 			
	107	A 4				134					
•	108	A 4 A 5				113		 			
	189	A 6 A 7				106 125		 			
40	110	A 7									
, about	(1)	A 8				79		 			
	112	A 1	property and specification			94,					
414	113	AII		 		104		 			
	114	A				155		 			
h 1	115	F3 \		 		60					
	116	B2				+37			-		·
H	117	B 3				98					
	118	134				102					
	119	B-5				113					
+ 4	120	BG.				123	!				
	121	B7				75			j		
	175	1				74					

Environmental Consulting & Contracting

Waste Management
24-hour Service
Site Remediation
Environmental Audits

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

2(3

Client: Illinois Environmental Protection Agency

Job Description: Fast Saint Louis Awning, Site #160 LPC#: 1630455241

Parcel Number: 02-19.0 - 2094 - 009

Name and Address: Edgement Doup. 416 Gray

	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
123	-810-					43						
174		125				4.70			20			
125	图 13	Children Const				52						
126						214	142112					
127						DIO	4340					
128	EA					342	342					
129							430					
130							440)					
131							440)					
132							315)					
133							304)					
134							(184)					
135							263					
136							51)					
137							365					
138							348)					
139	68					500	(599)					
140	610						(195)					
141	(6)2					37	(39)					



Environmental Consulting & Contracting

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

4/2

	Client: Illino Job Descript				_		0		LPC	#: 1630	455241	
	Parcel Numb	er:	2-1	9.0-	20	4-0	09					
	Name and Ac							le G	ray			
XRF	Location ID	Time	Fe	Mn	Zn	Рb	Cu	As	Sr	Rb	Zr	Mo
142	14/6-					84	(84)					
143	相逻辑	· 旅游道 · 市区				重	114					
144	4 2						(91)					
				-					81			
		THE STATE OF THE S										
		品源。自然是										
									1			



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illi Job Descr						50		_ LP	C#: 163	045524	1
Parcel Nur	nber: <u>0.2</u>	-19.0	<u> 2 - 115</u>	1-03	/				·		
Name and						196	Cay E	sive	·		
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	M
AI					127						
A2					95						
13		-			54						
74					119	 					
31	Market St. Market				109						
02					551						
D2	* * * * * * * * * * * * * * * * * * *	v .			459						
E2					109						
E3					3.2						
EH		7			189						
	The second secon	11 4			315						
F2		(4) (4)			224						
03		¥. 1.1			89						
734	The second of th				156						
15		한. 전 전			195						
6	1000 H 143 H 150 H				477	;					
(,2					229						
63					146						
64					217		-				

Bodine Environmental Services, Inc. Job Number # 112025



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Job Descrip	otion: East S	_ LP	C#:163	045524	1					
	ber: <u>və -</u> Address: <u>A</u>				42K	1 Gr	zy B	Ivl		
Location ID	Time	Fe Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
A2				186						
A3				159						
132	A Company of Same			101						
BB				191						
FI				1225						
F2				85						
F3				54						
GI			_	297		ļ			_	
6.2	aleste quantities de la constitución de la constitu			1.04		<u> </u>				
63				107						
-#+				3974			_			
#2				7,70						
-43				95					_	
	Service of the servic				I				_	
	10 10 10 10 10 10 10 10 10 10 10 10 10 1									
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Parcel Numbe	er: <u>'0</u> 2	-19.	0.2	04-	o05						
Name and Ad						666	ay F	Slul			
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
41					176						
A2					129						
A3	and a superior				137						
A 4			-		112						
12 /	and the second				109						
B2					177						
B-1					123						
E4					2160						
En Bourne					56						
- PH					110						
63	Control to the Control of the Contro				25						
64					115						
H3	COLUMN TO THE STATE OF THE STAT				74						
114					138						
Angel and the region	· · · · · · · · · · · · · · · · · · ·		1								
Section of the sectio			1								
		7	+	+		 	+			+	+-



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

Vame and A	ddress:	Ja.	nes f	Perry	429	3 G	ay t	slud			
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	N
AI					140						
A2					120						
A3					91						
B1					66						
RZ_		<u> </u>		ļ	80				_		\perp
133	ļ		_		58			<u> </u>		_	\perp
E3			<u> </u>		457	<u> </u>					_
F3		<u> </u>			60		_			_	_
F. Your	ie Buni austriannis.	<u> </u>			260				_	_	_
61					113		<u> </u>				_
621	Ka da mangangan yan				127		_				\perp
63		-		<u> </u>	132	<u> </u>				_	
G4 -					61		_				
HT	The second secon		 		154	-			<u> </u>		\perp
- H Z		<u> </u>		-	172			_		_	\perp
177					153						\perp
44					135						
						+					\perp
11 mm 1		1									



Tank Removal/Cleaning
Air Monitoring
Spill Response
RCRA Closures

Environmental Consulting & Contracting

	Client: Illino Job Descript						0		_ LP	C#: 163	045524	
	Parcel Numb	er: <u>0</u> 5	<u> 2 - 19.</u>	0-2	04-c	36	· · · · · ·					
	Name and Ac	idress: <u> </u>	.KN	·		Gray	Blv	l.				
XRF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
78	Al					157						
79	A2_					126						
80	13	e e e fra e se liga grade				145		<u> </u>				
81	A4	en eg e			<u> </u>	169						
82	A5					123						
83	A6		ļ			172						
87	AG	1 2 2 2 2 2				197		1				
85	A10					163						
86	San Bankanin	a majori nganaka				78						
87	B2					160		J				
88	-B2	California de la calega de la c				438						
87	B9					86						
90	- B10-					90						
91	BH	Post Clinate				217						
92	CI					258						
92	-62					354						
94	Ca	A LANGE				123						
95	Clo	1, 44				120						
Cà C	6 11					221						



Tank Removal/Cleaning
Air Monitoring
Spill Response
RCRA Closures

Environmental Consulting & Contracting

	Client: Illino	is Enviro	nmenta	l Protec	tion A	ency_						
	Job Descrip	tion: East	Saint I	ouis A	wning,	Site #16	٥		. LPC	#:_1630	455241	
	Parcel Numb	er:	2-1	8.0.	-41	9-09	16			 .		
	Name and A	ddress:	Mcl	lay	WIU	JE d	Da	-5	016	, R44 (BLVD.	,
		,		, 	γ	, ,				·	,	,
	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
20	A2					214						
21	A 3					243						
22	AH	· Vary and required				176.4						
123	AS				ļ	109.8						
221	BI					253,2	<u> </u>					
125	C	All the second			ļ	221		ļ				
126						เกรเวิ		 				-
127	F3	Weeks .				515.2						
125	H					150.9						
											<u> </u>	
									ļ			
		See Attack to				1.5						
						1						
		Service and a										
		中國的原裝器具			1	124 34 34	l	j	}	1)	Ì

Environmental Consulting & Contracting

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

6-3-02

	Client: Illino Job Descrip					_	0		LPO	C#:163	0455241	!
	Parcel Numb	oer:	2-1	8.0.	-419	-094	<u> </u>					
	Name and A	ddress: <u>L</u>	VTH	DMAS	+ 1)-	im Ha	4E -	- 509	5 GR1	y Bo	VD.	
-	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
	AL	, 3				239						
	A3					115.8						
_	AF					135.2						
	B/					202 6				<u> </u>		
	[-2-	Constitution of the consti	.,			234		ļ		ļ		
	<u> </u>				ļ	268						
-	El					187		ļ	ļ	ļ		
7	E3				<u> </u>	153.7						
	F_{l}					227.2						
	#3	经验				55F#				<u> </u>		
	Tair the I											
		A PROPERTY OF										
	709719423	9.613.42 T.										
	and a second											
						200						
	James State of the	Assamada per 11. 1. Visi			 	(altrace)			 	 	 	



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	is Environmention: East Sair			_ ,	50		_ LPO	C#: 1630)455241	
Parcel Numb	er: DQ-	18.0-	419	- 09 J	Ļ					
	ddress:					509 C	SRAY I	Bivb.		
Location ID	Time Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	V
A2				138.8						
A3				107.5						
Au				596.4						
E				300.6						
=====	and the second s			90,2						
FI				231						
F3	Carrier State States			110-9-						
63	ALEXANDER OF THE PROPERTY OF T			279.4						
				172				-		
				1000		<u> </u>				
						<u> </u>				
						ļ				
						ļ	4	ECE		L
				100000000000000000000000000000000000000			UUN	*EPA	ED	
A TOTAL TOTAL STATE OF THE STAT						_ cc	LINSTAL	ECE, EPA	20 /	
	2022 Sare Sale 2						1	EOD	13	
								7.75	Ca	

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	Client: Illino Job Descript						0		_ LP	C#: 163	045524	1
	Parcel Numb	er: 0.5	1-18	, C - C	120	-020	·					
	Name and Ac							GRAI	y Bi	uD.		
				<u> </u>				T -				
July #	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
WO 21	ÀZ					119						
22	AH					47		<u></u>				
, 33	A 5	and the manifold one		<u> </u>		55,8		<u> </u>				
24	Bd					146						
72	BH	and the second second		ļ		47.2						
. d6	35					56.1						
• all	EX		ļ			287			ļ			
. ત્રક	E3					457						
• ત્રેલ	F2			<u> </u>		150						
30	F3-	The state of				163						
31	6-8	en gerinden generalischen bei eine generalischen bei eine generalischen bei eine generalischen bei eine generalische bei eine genera				d9o						
39	6-3					219						
. 33	-64					13						
34			:			315		<u> </u>				
- 35	44					254						
36	-HS-					124						
•						\$45 mg.						
						944 9 1944 1944 11						
10			T	1			1	T .				

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

•	Client: Illino Job Descript					~ .	0		_ LPC	:#: <u>163</u> 1	0455241	
•	Parcel Numb	er: <u>ටටු</u> -	-18.0	5-40	10-c	1						
	Name and Ad						74	GRIY	Bio	۵		
#5ZNG- #	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
-181	41					20)				<u> </u>		
182	AJ					164						
184	A4	in the same of the				206		<u> </u>	<u> </u>	ļ		
185	B2 ·					174						
186	134					(44						
187	EI					134						
- [88	EJ					215						
- 189	E3	in in in				439				<u> </u>		
- 191	£4					359						
192	Fd					151						
193	EH	A STATE COLUMN TO STATE OF THE				218						
[94	ઉત્તર 🥏					3-30						
- 195	64_	the after the second				353						
100	E	609 8 X										
190	E3	60 sc				361						
****						-						

~			 	<u> </u>				+	 	 	+	



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

1/2

*	Job Descript			Louis A		_ ,	0		LP	C#: 163	045524	1
	Parcel Numb	er: <u> </u>	18	20	- 41	ے – ر	<u> </u>					
*	Name and Ad	idress: گ	Star	16++	≥ \^¥	<u></u>	_ []	5 (57 C	JVay	Blu	<u></u>
## \$4DANG	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
- \$13	AL					રા8						
- 214	<u> 43</u>					107						
215	A5	a sa Salatta ti sa				203						
2 16	A7					370		<i>j</i>				
217	BI	. 12				190	(,					
318	133					69.1						
_ 219	B5	* ** * ** ** ** **				732						
- 470	B7					370						
 221	<u> </u>					195						
- 222	23	Table of the		<u> </u>		BDL					<u> </u>	
# \$23	CE					74.9			<u> </u>	<u> </u>		
<u></u>	C1					174						
- 712	<u> </u>	Section of the sectio				1779	204					
• 976	<i>P</i> 3					204	65.5					
- 227	N5					[53						
458	07_	3 (33 (A), 24.				582	<u></u>					
- 239	EL					88 j						
2 30	E3					18.7						
231	£5					77.6						

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

3/2

		Client: Illing Job Descrip				_	•	50		. LPC	#: 1630	0455241	
		Parcel Numb	oer: <u>0</u> 3 -	- 18.	0 -	419	- OS	5			····		
نـر	xq/iov	Name and A	ddress:	Stari	e-the	Mit	che	<u> </u>	587	Gra	y B1	vd.	
#	IO	Location ID		Fe	Mn	255 Pb	200	Cu	As	Sr	Rb	Zr	Mo
-	E1					355						†	
	FI					150						 	
	F3				75.1	762		 					<u> </u>
	FS					101							
٥	F7					153							
	61					248							
ટ	65					186				·			
1					ļ								
										ļ			
							F 1 77	:		ļ			ļ
}			100				· ·				ļ		
									<u> </u>			<u> </u>	
									ļ				
							-1		<u> </u>				
						·							



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illin Job Descrip						0		_ LP	C#: 163	045524	1
Parcel Numb	per: _02	-18.	0-4	19-0	57	,					
Name and A						83	Gra	y B1	vd_		
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
Al					93.5	,					
A2			1 1		76						
-14-1	o				tio						
81				100	204.8						1/
732	d series (Carlo pro-	106			126.1			41			
134					160.3						
-2					490.4						
D)	100 000000 100 000000000000000000000000				286						
<i>‡(</i>				a de p	432.8						
£3°=	1 -1 1/45 (14 v) 5 5 4 4 4 4 5 1				2418						
A.	7/4 - 21 10 10 10 10 10 10 10 10 10 10 10 10 10				129				2		
73		54			4.31						1
-61				16.5	320.8						-
63-					190.5						
					45-12-3						1
	A Comment of the					i Va					
A Allen											1
	Comment with the Property of the Comment of		1	1			1	+	+	1	+

ENVIRONMENTAL SERVICES, INC.

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

Job Descrip	tion: East	Saint	Louis A	wning	, Site #16	i0		_ LP	C#: 1630	045524	1
Parcel Numb	per: 02	-18	0-4	19-0	556						
Name and A						5 E	ray F	31.0.			1
Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	
A1	1				113.8						T
A-2		100			184.2				1		T
A3-	Water of				130.6						
AY		ja ja			142.9				10.0		
BI					195				8-		
132					381.8						
Ci					436:8						
D. J	Askar.				585.2						T

289 137 360.2 141

136

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illina											
Job Descript	ion: East	Saint I	ouis A	wning,	Site #16	0		. LPC	C#:_163	045524	1
Parcel Numb	er: _ () 	2-15	á C	- 47	<u>∵ − </u>	25		2-19	7.8	112-	025
Name and Ac	i i	Mei	uin (good a	מוח	411	Gray	Blue	2,		
		, , , , ,	12 /0	of Cac	Ť -	221	1317		·		
XR Faling	.			[Τ	T	T.,		7,,,,
Location /	Gnol	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
467	Al				146						
468	AZ		<u> </u>		195		<u> </u>	 		ļ	
469				ļ	223		ļ	<u></u>		<u> </u>	
470	A4				242 174	ļ	ļ	ļ	<u> </u>		
471	A5			ļ	174	[<u> </u>		<u> </u>	
472	AG			<u> </u>	148			<u> </u>	<u> </u>	<u> </u>	
	A 7	ļ	ļ	 	166		_				_
474			 	<u> </u>	188		-	ļ		 	
475			ļ	 	154		<u> </u>		 	 	
476	and the second second	 	 	ļ	219	 	 	ļ			
477	A-H	-	ļ		163			<u> </u>			
478	1 2 3 2 7 2 2		<u> </u>	<u> </u>	195	-	-	<u> </u>			
479			}	ļ	184			<u> </u>			
490	AIS		<u> </u>	 	170			ļ		_	_
4 81	AI7		<u> </u>	<u> </u>	118		<u> </u>				
482	AIS			ļ	169		<u> </u>				
							_				
				}	777						

Waste Management 24-hour Service Site Remediation Environmental Audits

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency	
	LPC#: 1630455241

Parcel Number: 02-19.0-112-035

Name and Address: Melvin Goodwin 411Gray Rlvd

RF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
183	B-1	-				163						
484	B Z			<u> </u>		137						
485	3	anye, it is				90					<u> </u>	
486	21	, u, and				65						
787	5	112 12 12 12 12 1 1 1 1				92						
488	16					154					<u> </u>	
489	1 7					129						
490	1.8	i kirana. Ngjara				168		<u> </u>				
491	19	e de la composition della comp		<u> </u>		126						
492	1-10-					231						
493		42				13.8						
494	12					111	ě.					
495	14	positions.				147						
4%	-15-	A CONTROL OF THE SERVICE				147						
497	另方					174						
498	ABIS					975						
(99	CI					153						
700	6.2					99						
-01	(3)					186		1				

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241
Parcel Number: 02-19.0 -112-025	
Name and Address: Melvin Goodwin (5.

425	Location ID	Time	Fe	Mn	Zin Ph	Pb	Cu	As	Sr	Rb	Zr	Mo
503	* ST##25		15/		1621		d		2.			
504	的逻辑	大學	D Z		204	**3**						
10.00	为多		D 3		12129				15	4		
506	ET		Elizy		122							
507			E25		130							
.68	世界的		E3		242							
509	与被		F18		564							
510			F3		213							
511		(1861) P. P. P. P.	F18		544							
512			G3		293							
513		三	17		157							
514			5		334							
515			6		370					2	111111111111111111111111111111111111111	
516			7		370							
317			8		574							
518	Cu.		1.9		224							
519			10		246							13
520			111		600							
,-21			12		244							



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	Client: Illino Job Descript						0		_ LP	C#: 163	045524	1
	Parcel Numb	er: <u>03</u>	- 19.0	2-110	2 - 0 <u>:</u>	L3						
	Name and Ac	idress:	3cc K	er P	lachu	sell s	4150	Scay B	31.0		····	
RF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
524	AL	·				125						
525	A2	10 A				88						
	A3	e e successible exercic			ļ	176		ļ		<u> </u>		
526	27					235	ļ		ļ		ļ	
1 -28	p2	The first of the second			<u> </u>	99						
529	134				 	171		-	<u> </u>	-		
530	ET			ļ	 	427		-				
. 531	£ 2			-	ļ	215			_			
532	EB	apagina da s	<u> </u>	-	-	151		-	 	-	 	-
533	FH			-	-	185					 	
534 535	7-1			-	-	528		-	-			
_ ′	FZ			 	 	<u> </u>		-	<u> </u>	-		-
	F3.	en merca e		 	-	261			-		-	_
537	62	- 1. 1. 44 year of 100 minutes 1944				#70		-	-			
•	2 14 14 14 14 14 14 14 14 14 14 14 14 14	。 医神经神经神经	l		<u> </u>						-	
				+	 	100000		-	_	-	-	-
				<u> </u>	ļ		-				-	
-			-		-		+	-		<u> </u>		



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

1	Name and Ad	iuress											
	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo	
9	AI					108							
<i>30</i>	A2					180		<u> </u>					
ζ l	A 4	سروارار وبلك الدارا				186							ر ا
32	A5	· v :				13/				_			9
83	31	A				293							4
84	132				ļ	100					<u> </u>		
86	B4				 	1500		<u> </u>	ļ	ļ	ļ		
87	B5_			 	-	<i>L</i> 30		-	<u> </u>				
88	<u></u>	The second s		 	-	230		-	 		 	 	-
289	>5			-		2'to						<u> </u>	-
90	L 5				 	246	:	-	-				-
291	FL	are aret				34/					-		$\frac{1}{2}$
92	F2 -			 	-	82		-	+		-		1
·	F			-	-	233		 				_	1
94	()			-	-	15	: 	 	-		-	+-	-
95	02	e era nige in de er		-	 	109			-	_			
46	67			 	-	182				-		-	4
297	64				-	270	 -	<u> </u>		-			4

116

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency	
Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241
Parcel Number: 0-2-18,0-419-091	
Name and Address: River Corp. 513 Gray	Bhd

Location ID	The state of the s	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
Al					209.8	la't					
A1 A2 A3 A4				1 x 2	221						
73	and the second				176.8				b 1 2		
Ay		341			273.2					0.00	de .
- A 5	Control Contro		3		359.2						
B/~					244H						
72	The second second				1169:6						
33	200 mg/m			6	292.8						
85					502.8 F2607						
Z					1200						
Dist.					1589-lo						
左 操制					692.8						
F4					6928 320	1.5					
<i>†</i> 4==	2000 2000 2000 2000 2000 2000 2000 200				1529.6						
19					1009.6						
63				- 12	1668-8						7 6"
B / 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5											
703											
					27 (10 m) 27 (10 m) 27 (10 m)		115. 126.				



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	Client: Illino					~					
	Job Descrip	tion: East S	Saint Louis	Awning	, Site #16	50		_ LPC	C#: 1630	145524	1
	Parcel Numb	per: 02 -	18.0-4	119-08	39						
	Name and A	ddress: <u></u>	osene	& Hat	Gres	han	5	156	Scayl	3/vd.	
XRF	Location ID	Time	Fe Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
86	Al		102		128.8						
87	12				254						
58	793				499.2						
59	133				10G.6						
90	, 12				315						
91	EY	Airen			186.8						
97		A STATE OF THE STA			141.4		-	-			
93	FY				106.6		-	-			
	The second secon	and a later most for			10 to		-	-			
							-		201 12, 8		
							-	-			
							-	-			
				_			 	 	-		<u>.</u>
	The property of the Parket of				72.392		-	-	-		
		Message.						-	-		
					PER NO.		-	-	-		-
_											
	10 11 hope and a second					1	1			1	

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency Job Description: East Saint Louis Awning Site #160 LPC#: 1630455241 Parcel Number: 02-18.0-419-079 Name and Address: Greg & Nalvina Harlan 535 Gray Blod Location Pb Time Fe Mn Zn Cu Sr Rb Zr As Mo 176.9 126 186.3 148 275 285.1 150 247.6 151 -800 576.4 330.4 112.6 人也儿 H.O. 5



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

lob Descrip						Ω		_ LP(C#: 163	045524	4
Parcel Numb	er:	2-18	,0-	420	·· <i>c</i> 33						
Jame and A	ddress:	REEN	uES.	A $_{C}$	ERTL	., -	530	GRAV	Bin	5 ,	
											
Location	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	M
ID		 	ļ	ļ	 .	ļ	<u> </u>		 	 	
A2			<u> </u>	ļ	160			<u> </u>	 		
44				<u> </u>	166					<u> </u>	
132	e e e trad demili de rom				170						
134					421						
					549						
<u> </u>					714						
E1	and the second s				215						
E3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				106						
EY					162						
- El	Carlo Car				201						
# 3-					169						
					207				<u> </u>	 	1
F4	de la companya de la		_		169	 	1	_	_		+
62-		1		-	191	 		-	+	-	\dashv
4			 		120	-	+-		_		+-
6.7		: 					+-	-			+
H/					268	 			-	_	
1-1-12					244	<u> </u>					\perp
H3					100						
1+24		 :			95	1					

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illino Job Descrip			_	 50		LPC	#: 1630	455241	
Parcel Numb					GRAY	, Biv	· S .		
Location ID	 	·······	·	,		,	,	Zr	Мо

#				,	·	·			,	, 		
XRF	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
323	Al					174						
324	A2)				112						
325	A3		<u> </u>			178						
326	BI				ļ <u>.</u>	145						
27	132					88						
328	133					337						
328	C)	Karawanan Marakanan Marahan Ja			<u> </u>	1290						
-336	DI					1810						
- 331	FI					95						
- 332	-F2					29/						
* 333	43	er de marie de la company				566						
334	F4-	7-12-60A				729						
335	61-	THE TOTAL STREET				23/						
336	62	A CONTRACTOR OF THE CONTRACTOR				106	<u> </u>					
337	63					494						
-338	-64	and the second s			<u> </u>	2/5)						
-339	HI					366						
-246	H2					450						
271	H3					156						

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

•	Client: Illino Job Descript	ion: East	Saint	Louis A	wning,	Site #16			LPC	C#: 163	045524	1
	Parcel Numbe											
]	Name and Ac	ldress:	Ro	6ERS	<u>Jr)</u>	<u>-,6~===</u>	5	48	GRIC	BU	1D.	
admy—	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
158	AZ					127						
159	A4											
160	Ba	e i jarje aktyr				209						
161	B3					140						
, 169	134	Amelia de la com-				68,5						
163	C4					698			ļ			
164	EI					474						
165	Eg					780			ļ			
166	E3				<u> </u>	313			ļ	<u> </u>		
- 167	E4				ļ	×77		<u> </u>				
168	- F)	and the second s				SQ.3		<u> </u>	ļ			
169	Fa					74.2						
170	F3	No. of the second				904						
171	fy	and the second				79.4	1					
. 172	61					43.4						
• 173	62-	New Color of the Color				51.5						
- 174	63		:			59.2						
175	64					62.4						
-, 176	HI	1.00				6.11		1				

Bodine Environmental Services, Inc. Job Number # 112025

176 Battery ran out

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

		Client: Illino				_	•		 -				
		Job Descrip	tion: East	Saint I	ovis A	wning,	Site #16	0		LPC	#:1630	455241	
Ĺα	Acres	Parcel Numb	er: 02	- 18.	0 - 4	yau	-09	Ğ					
	140/	V		000	Λ	بــاء			£40		/ 2 : \) N	
ンよん	-	Name and A	ddress:	10051	85,	JIM	WIF		3 18	GAMY	DCV	ν	
	\ \footnote{\chi}	Location	Time	Fe	34	7	Pb	Cu	As	Sr	Rb	Zr	Мо
ĺ		D.		10	Pb	4		0					1110
8	142				76,9								
19	H3	The state of the state of			155								
30	HH				89	ļ			ļ ——				
	, (1.					
											ļ	 -	
ļ													ļ
1				· · · · · · · · · · · · · · · · · · ·	<u> </u>			· 		·	<u> </u>		
. }													
'									 		<u> </u>		
•						 			 			ļ	
			•		ļ	ļ			 	ļ			
				·				:					
	}												
•	}							•					
													
					 					<u> </u>			
-					 	-			-				
*						 			 				
											[



Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency	
Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241
Parcel Number: 02-18.0-420-024	
Name and Address: LUtrr, Maury - 550	
Natife and Madross.	

SADING-	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
3)	AA					190						
81 82	AA A3					167						
	a company	Construction of Section				a garage						
- 83	Ba	.:				73,8						
34	83	. Maringan Carago				200						
85	B4					141						
86	Ed					302						
_ 87	£3					191	<u> </u>					
- 88	E4				<u> </u>	186						
_ 89	S					114						
- 90	EX.					164					-	
- 91	f3-2				 	99.0	7	<u> </u>				
92	C4 -	N			<u> </u>	70.1				<u> </u>	_	
43	G1	The state of the s				65.3						
- 94						464						
• 95		The state of the s				-179						
- 96	HI					96,						
•												
•	A.					1 111 2						

ENVIRONMENTAL SERVICES, INC.

Waste Management 24-hour Service Site Remediation **Environmental Audits** Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

االح

Ziz

•	Client: Illino	is Enviro	amenta	l Protec	tion Ag	ency						
	Job Descript	ion: East	Saint 1	Louis A	wning,	Site #16	i0		LPC	#: 1630	145524	1
	Parcel Numbe	er:)-18	. O V	120	-c2	3					
***	Name and Ad	ldress:	Bei	LL, Ei	aRETI-	44 Co	<u>رڌ -</u>	-55	Cen	Bu	, ﴿ر	
R SADANG	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
196	Al					169						
- 197	AA					207						
- 198	A4	eal shannears wa				282						
- 199	A5					138						
- 400	81	e saga passa dan basa basa basa basa basa basa basa ba				95.3						
- do1	Bà					98,2						
202	B4	The second secon				103						
703	B5					92						
- 204	<1	en de la companya de La companya de la companya de				530						
- 205	cs					759						
- 406	D 1					762						
- 207	05					239						
	ES					378						
= 209	Fd	Control of the last of the las				304						
210	FS					290						

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

	Job Descript	tion: East	Saint	OUIS A	wning,	Site #16	<u> </u>		. LPC	#: 1630	455241	
-	Parcel Numb	er: 02	-18.	0-4	19-0	68		·	,- ,			
•	Name and Ac						55	-56	Tay	Blul		
		г - 				1		,	, ,	· 1		····
XRF 110	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
110	A2					142.3						
icl	A3					218.8						
-112	132					140.9						
-113	33					134.8						
- 14	E	Paradia SEPECTURE OF THE PARAMETER OF TH				219						
115	E3					1269.6						
- 116	F1 -					572.8						
117	F3	1.460 (2) * 1.2 20 (4.40 (4.70)				88,2						
117	Gl					472.8						
119	-63 -		·			2008						
,											·	

125 NO.

Waste Management 24-hour Service Site Remediation Environmental Audits

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	Client: Illino: Iob Descript				_	-	0		_ LP	C#: 163	 045524	1
F	Parcel Number	er:	2-18	5.0-	420	-0(§						
	Name and Ad							564	6r	14BC	. <u>. (7</u> 0.	
	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
7	Al					155						
8	Ad					95.8						
79	A3	a a constant a sa				129						
∞	A4					127						
)	AG	e en				149						
υ λ	Bi					187						
03	BZ	-				159						
104	BG					904						
05	Cl					490						
106	(6	STREET WAY				410						
107	66	.60.sr,				420						
89	D					686						
109	建筑建筑	The state of the s	1			475						
110	£)	the second secon				ત્રેકે ક						
111	Fà					150						
112	£3	gestie Seite	-			294						
出	E4					257			†		1	
H	E5					329						
كملما	E6					426						

Bodine Environmental Services, Inc. Job Number # 112025

113 CANCELLED - BAD XSF PLACEMENT

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	Client: Illino Job Descript				•	_ ,	0		_ LP	C#: 163	045524	1
	Parcel Numb	er: <u>02</u>	- 18	.0	120-	712						
	Name and Ac									Rux		
	Name and Ac	idress:	17 8	535 ₎)TUI	Mare -	<u> </u>	1 -x C	101 Y	OCOD	*	
facting #	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
45	AI					102						
46	Ad					121						
67	A3					132						
68	A4					154		<u> </u>				
69	Bi	arabar Aksyr Versi				137						
70	B2					193						
71	ВЭ	e egit. Historia				431						
. 72	34					624						
. 73	CI	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				3411						
- 74	-D)					437						
75	Estation .	The street of th				188						
76	Ex					175	1					
רך	<u>E5</u>					166						
80 78	FX	The second secon				278						
3r.	The second secon	Property of				248	:					
. 79	-62					924						
•												
								 				
-				1	1	977 4	1	1		 	+-	1

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

	Client: Illino											
•	Job Descript	ion: East	Saint	Louis A	wning,	Site #16	0		_ LPO	C#:_163	045524	1
]	Parcel Numbe	er: <u>0.</u> 5	2 - 18	5. D-L	120	-014	-					
՝	Name and Ad	ldress:	HAY	es, 1	<u>}=B3</u>	4-5	786	<u> </u>	BLi	/D		
	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
.140	Αλ					110						
141	A3	::				172						
142	AH	مدود فله مسال در رود				96						
143	BZ					159			<u> </u>			
144	133	Canadag are 4 No server				330						
145						228						
. 146	(1					808						
- 147	DI	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1				474						
- 148	E)	1,2, 1, 1, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,				373						
- 149	Eà :-	The second second				404						
150	£4.					346			<u> </u>			
151	FI	12.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm 1.00mm				460						
152	F 2					295						
153	f3			<u> </u>		-168						
- 154	E4	To the state of the				[62						
155	62	<u> </u>				[68 -H5						
- 150						190						
157	64					176						
pan.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				2.3,7						

Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency	
Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241
Parcel Number: 02-18.0-420-013	
Name and Address: Daves Dapet of Cico -	5x0 Gery BWD.
ramo and received.	

WING-	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
799	Al					97.3						
-13 0	AL					83.5						
- 131	B1					233						
132	BX					500						
_ 33	CI	e de la composition br>La composition de la br>La composition de la composition della comp				914						
134	121					2330						
135	EI	7.15 (1) 7.15 (1)				809					. <u> </u>	
_ 136	FI					215		_				
- 137	F3					245						
- (38	-6-1					524						
139	-43					296						
_	一种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种种	7 7 7 7 7										
		na majoring or main				12 to						
***	System Section 1											
	entre electrical manage of leaving					1292						
-	a 4.0 4.0	* #133 #134 \$4										
				1	 						1	



Tank Removal/Cleaning
Air Monitoring
Spill Response
RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241
•	LPC#: 1030/433/41
Parcel Number: 02-18-0-419-058	
Name and Address: Laverta Campbell	58161ay

Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Mo
Al	X 15. 2			3	128.1						
12					172						
42 43				44	264						
B#A4					172.2						
132 BT					349.6						
B3 32					207.6				2 - 1	25	
BJ 83					625.2						
CA 84			1		539.2						
84					78						
- 13 ti					490.8						
49-4	PRANCE CO				15323.						
<i>41</i> #					18-19.6						
61					789 A						
1915.7				1							
A TOTAL SERVICE											
				7 7 6							
								4,		15	T
								1			2.0

Waste Management 24-hour Service Site Remediation Environmental Audits Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency Job Description: East Saint Louis Awning, Site #160	LPC#: 1630455241
Parcel Number: 02-18.0-420-011	
Name and Address: LUCAS, GERALDINE A 584	GRAY BLUD.

radny #	Location ID	Time	Fe	Mn	Zn	Pb	Cu	As	Sr	Rb	Zr	Мо
767	AZ				. 7	173						
268	A3	t tywy.	v			134	15	-1.				
269	A4					142						
270	Ba					246						
171	84											
272	C4					781						1
273	D4					655				1		
274	F3		<u> </u>			196						
275	H1:					276				1		
276	H3	X SECTION A				319						
	The state of the state of the state of	Section of the section of the				THE TRACE OF THE PARTY OF THE P						
	75-83-97 (2) (3) 2-807 (3) (4)											
_						4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
	reconstruction of the second o	47.5 % % % % % % % % % % % % % % % % % % %			a 1							
_	GWWW.			Ĵi .	×							
						A						
						4.28		2				
								1				



Site Remediation

Waste Management 24-hour Service **Environmental Audits** Tank Removal/Cleaning Air Monitoring Spill Response RCRA Closures

Environmental Consulting & Contracting

Client: Illinois Environmental Protection Agency

6/3/02

Job Description: Fast Saint Louis Awning Site #160 LPC#: 1630455241 Parcel Number: 02-18,0-420-009 Austell, LARRY C. - 586 GRAY BUD. Name and Address: _ 7.r Location Time Fe Zn Cu Sr Rb Mo Mn Pb As XRF <100 12 93.5 13 194.6 126 15 768 528.4 584.4 18 672 19 734 20 415.2 22 596.

Appendix I

Property Access Surveys

Client: Illinois Environmental Protection Agency

Job Description: East Saint Louis Awning Site #160

LPC#: 1630455241

Bodine Environmental Services, Inc. Job Number # 112025

Assessor#	Name	Address	Date	Notes
02-18.0-419-055	Mitchell, Starrette	587 Gray Blvd		Not alterne_
02-18.0-419-056	Moore, Orgy L	585 Gray Blvd	YES	
02-18.0-419-057	Tujay, Inc.	583 Gray Blvd	YES	
02-18.0-419-058	Campbell, Laverta	581 Gray Blvd	61 H	
02-18-0-419-060	Thomas, Carrie	577 Gray Blvd	NH	
02-18.0-419-061	Washington, Teretha	575 Gray Blvd	NH.	
02-18.0-419-062	Johnson, Lester	571 Gray Blvd	NH	
02-18.0-419-063	Yates, Arlene	565 Gray Blvd	NH	
02-18.0-419-064	Malone, Marva	561 Gray Blvd	NH	
02-18.0-419-065				
02-18.0-419-066	Brown, Catherine	559 Gray Blvd		
02-18.0-419-068	Coleman, Ozella	555 Gray Blvd		
02-18.0-419-071	Howard, Sharron	549 Gray Blvd	YES	
02-18.0-419-072	Claireborne, John	547 Gray Blvd		
02-18.0-419-073	Hudson, Yvonne etal	545 Gray Blvd		
02-18.0-419-074	Estate of Joseph Wat	545 Gray Blvd		
02-18.0-419-075	Walker, Otis	541 Gray Blvd	NH	543 - Sjaced w Fred Lell N
02-18.0-419-379	Harlan, Nalvina & Greg	535 Gray Blvd	Xel	
02-18.0-419-081	Humeed Askia & Pamela	533 Gray Blvd	HN	5331/2
02-18.0-419-082	Portgee, Armitee & Al	531 Gray Blvd	MAKEN	
02-18.0-419-085	Hughes, Sheketia	523 Gray Blvd	NH	
02-18.0-419-086	Harmon, Sherman & Lou	519 Gray Blvd	NH	
02-18.0-419-087	Harmon, Sherman & Lou	519 Gray Blvd	1011	
02-18.0-419-089	Gresham, Lorene & Hat	515 Gray Blvd	NH	
02-18.0-419-091	Riverfront Corp.	513 Gray Blvd	yes	

Risidence left of 586 NIT 588

					_
02-18.0-419-092	Chapman, Robert	509 Gray Blvd	185		7
02-18.0-419-094	Lv Thomas & Jim Haye	505 Gray Blvd	NH		
02-18.0-419-096	McVay, Willie & Da	501 Gray Blvd	Vyis		7
02-18.0-419-100	McHenry, Jerry	553 Gray Blvd	YE2		7
02-18.0-419-103	Brewer, Spencer L. Sr.	527 Gray Blvd	ye S		7
02-18.0-420-009	Austell, Larry C	586 Gray Blvd	XES		
02-18.0-420-011	Lucas, Geraldine A	584 Gray Blvd		Abyronel	
02-18.0-420-013	Davis, Dupree & Cleo	580 Gray Blvd	1/25		
02-18,0-420-014	Hayes, Bobby	578 Gray Blvd	MAN	MARY (Luyard]
02-18.0-420-016	Sanders, Jessie	574 Gray Blvd		Aba Noved	
02-18.0-420-017	Tibbs, Stephanie	572 Gray Blvd	Freshy	Appl to CAll her with]n
02-18.0-420-018	Witherspoon, James	568 Gray Blvd	YES		
02-18.0-420-019	Smith, Janina	564 Gray Blvd			
02-18.0-420-020	Farries Excell	560 Gray Blvd			
02-18.0-420-021	Townsend, Richard Q.	556 Gray Blvd	·		
02-18.0-420-022	Smith, Gloria etal	554 Gray Blvd	·		
02-18.0-420-023	Bell, Euretha Cole	552 Gray Blvd			
02-18.0-120-024	Warr, Maury	550 Gray Blvd			
02-18.0-420-025	Warr, Maury	550 Gray Blvd			
02-18.0-420-026	Rogers, Jimmic	548 Gray Blvd	·		
02-18.0-420-028	Wilson, John W. etal	546 Gray Blvd			
02-18.0-420-029	St. Clair Co. Trustee	540 Gray Blvd			
02-18.0-420-032	Johnson, Curtis	536 Gray Blvd	455		!
02-18.0-420-033	Reeves, Albert L.	530 Gray Blvd			
02-18.0-420-035	Stalling, Hattic	528 Gray Blvd			
02-18.0-420-006	Fulton, Carolyn & Gil	526 Gray Blvd			
02-18.0-420-044	St. Clair Co. Trustee	508 Gray Blvd			
02-18.0-420-045	Corley, Tiffany	506 Gray Blvd			
(12-18.0-420-047	Blackwell, Booker T. J.	504 Gray Blvd	Yes		

				
02-18.0-420-048		Gray Blvd		
02-18.0-420-088	Falon LTD	516 Gray Blvd		Aludurd
(2-18.0-420-090	Chandler, Terez & Nle	588 Gray Blvd	NH	
02-18.0-420-093	Bobbit, Mary	538 Gray Blvd		
02-19.0-112-013	Guddis, Warren	433 Gray Blvd	Yes	
02-19.0-112-014	Herndon, Hartensel &	431 Gray Blvd		
02-19.0-112-016	Nicholson, John &	429 Gray Blvd		
02-19.0-112-017				
02-19.0-112-018	Thomas, Dorothy J	425 Gray Blvd		
02-19.0-112-021	Harvey, Vincent L & B	419 Gray Blvd	NH	
02-19.0-112-022	Blackwell, Booker T & J	415 Gray Blvd	yes	
02-19.0-1.12-025	Goodwin, Melvin & Ara	411 Gray Blvd	∑ ,62	405, 407, 409, 411
02-19.0-112-028	Prossic, Senunic Pirtle	421 Gray Blvd	423. 7.8	
02-19.0-204-003	Perry, James	428 Gray Blvd	~(e) Yes	
02-19.0-204-004	Stinson, Greta	426 Gray Blvd	Yes	
02-19.0-204-005	Stinson, Greta	426 Gray Blvd	705	
02-19.0-204-009	Edgemont Development	416 Gray Blvd		Ab arland
02-19.0-204-011	Hogan, Winifred	402 Gray Blvd		
02-19.0-204-031	Hogan, Winifred	402 Gray Blvd	Yes	
02-19.0-204-034	McFarland, Amos	424 Gray Blvd	NotHone	
02-19.0-204-035	Chamberlain, Theodore	400 Gray Blvd	λ£2	
02-19.0-204-036		Gray Blvd		

For Office	Use Only	ID#	
------------	----------	-----	--

Resident Location			
Name(s):		Theodore C	hamblain
Address:	400	Gray Blue,	East St. Louis, I
Phone Number:	615	~	(Daytime)
Access Information	<u>n</u>		
Consent to XRF pro If no, why did they	•	<u></u> X Yes	No
Consent to sample part of the sa		_× Yes	No
Resident Informat	<u>ion</u>		
Number of residents Number of Children Recent fill: Crarden:		If so, ages	
Explain:			
Additional Comme	ents Ha	SPIC a CON	
- 16 1/2 2×1	10 W C-	rior of Pariti	
Sian E	Doin	results very	well before
agree	1 70	501 Seward Down	ments that it
March 2002	200		

For Office	Use	Only	ID #	‡
------------	-----	------	------	---

Resident Location	<u>on</u>				
Name(s):	Win	ment red	Hoge	éh_	,
Address:	402	Gray	Blvc	\	
Phone Number:		271-1631			_ (Daytime) _ (Evening)
Access Information	<u>tion</u>				
Consert to XRF If no, why did the			es	No	- <u>-</u>
Consert to sample If no, why did the		<u> </u>	es 	No	
Resident Inform Number of reside Number of Child Recent fill: Garden: Explain:		Me:If so, ages a pant kids on a	1-18 regular	basis	
Additional Com	ments				
	-,				
	·· -			 	

March 2302

For Office	Use Only	ID#	
------------	----------	-----	--

Resident Location					
Name(s):	_ _	Melvin 6	oodwin.		
Address: U	6034º	7409 411 6ra	y Ap	ļ.	
Phone Number:					(Daytime) (Evening)
Access Information			/		
Consent to XRF prop If no, why did they re	-		Yes Yes	No	
Consent to sample pro If no, why did they re			Yes	No	
Resident Informatio	<u>n</u>				
Number of residents: Number of Children: Recent fill: Garden:		If so, age	·s	····	
Explain:					
Additional Commen	<u>ts</u>	Muiling	620	N. ZZ nd	St.
			Ear	+ (L. Lou,)	62205
March 2002					

For Office U	se Only ID	#
--------------	------------	---

Resident Loc	cation				
Name(s):	MR. BO	cker	T. BIAN	KWELL, S	R.,
Address:	415 GR	′			
Phone Number	er: <u>\&</u>	18/3-	11-1925		_ (Daytime) _ (Evening)
Access Infor	<u>mation</u>		/		
Consent to XI If no, why did			Yes	No	
Consent to sat If no, why did	mple property?		_√ Yes	No	
Resident Info	ormation				
Number of re. Number of Cl Recent fill: Garden:	sidents: 3 hildren: \(\ldots \)	If s	so, ages\9	YRS,	
Expla	in:				
Additional C	Comments	•	Thon,		
			200	و برار	
March 2002			•		

For Office	Usc	Only	ID	#	
------------	-----	------	----	---	--

Resident Location				
Name(s):	Vinc	cent Harve	ey	
Address:	419	Gray P	olvd 19	
Phone Number:		17) 274-52	19	(Daytime
Access Information				
Consent to XRF propo		X Yes	N	lo .
Consent to sample pro If no, why did they re		_ ≺ Yes	N	·o
Resident Information	<u>n</u>			
Number of residents: Number of Children: Recen: fill:	200	If so, ages	no, 3yr.	
Garden: Explain:	_ <u>n</u> &_			
Additional Comment	to			
	<u></u>			

March 20/12

For Office	Use	Only	ID#	

Resident Location		
Name(s): <u>LeTAF</u> :	ionne Wilson	٣٧
Address: 420	O GAY A	/
Phone Number: 61	15- 271-1237	(Daytime) (Daytime) (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes	No
Consent to sample property? If no, why did they refuse?	Yes	No
Resident Information		
Number of residents: 6 Number of Children: 2 Recent fill: 6 Garden	If so, ages3, 6	2
Explain:		
Additional Comments	I Like th	.'s
March 209.		

For Office	Use Only ID	#
------------	-------------	---

Resident Location				
Name(s):		Disandle Thom	na S	
Address:	125	Gray		
Phone Number:		271-0350		_ (Daytime _ (Evening)
Access Information				
Consent to XRF prop If no, why did they re		_X_Yes	No	····
Consent to sample pro If no, why did they re	_	Y_Yes	No	
Resident Informatio	<u>n</u>			
Number of residents: Number of Children:	7	70		
Number of Children: Recent fill:	<u>Z</u>	If so, ages 4 and	Omo.	
Garden:	no	around bush		
Explain:			·	·
			 	
Additional Commen	<u>ts</u>			
				<u> </u>
				-,

March 2002

For Office	Use Only	ID#	
------------	----------	-----	--

Resident Location			
Name(s):	a Stinson		
Address:			
Phone Number:	271/5064		(Daytime (Evening)
Access Information			
Consent to XRF property? If no, why did they refuse?	Yes	No	
Consent to sample property? If no, why did they refuse?	Yes	No	
Resident Information Number of residents: Number of Children: Recent fill: Garden:	If so, ages		
Explain:			
Additional Comments			
March 2012	<u></u>		

For Office	Use Only ID#	
------------	--------------	--

Resident Location				
Name(s):	<u> Xini</u>	y Kerry		
Address:	478			
Phone Number:	4	74 -3805		(Daytime) (Evening)
Access Information		,		
Consent to XRF proper If no, why did they ref	•	Yes	No	
Consent to sample pro If no, why did they ref		<u>√</u> Yes	No	
Resident Information	<u>1</u>			
Number of residents: Number of Children: Recent fill: Garden	4 2	If so, ages2	8	
Explain:				
Additional Comment	s ingles	La Pirkon -	B6.) L	ent Sormy
		Eferres per	to Krinba	mar 45
March 2001		· · · · · · · · · · · · · · · · · · ·		·

For Office	Usc	Only	ID	#	
------------	-----	------	----	---	--

Resident Location	ſ	1	La A.	Ŋ
Name(s):		ordon	11/10 NO	dan
Address:	43	\$		
Phone Number:				_(Daytime)
_				_ (Evening)
Access Information		/		
Consent to XRF proper If no, why did they refu	•	✓ Yes	No	
Consent to sample prop If no, why did they refu	•	<u>√</u> Yes	No	····
Resident Information				
Number of residents: Number of Children: Recent fill:		If so, ages		
Garden:	10_			
Explain:				
_				
Additional Comments				
March 2002			·	

For Office	Use Only ID	#

Resident Location		
Name(s):	Leora Davikins	
Address:	50/ Gray	
Phone Number:	271-4661	(Daytime) (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes	No
Consent to sample property? If no, why did they refuse?	Yes	No
Resident Information Number of residents: Number of Children: Recent fill: Garden: Explain:	If so, ages	
Additional Comments		
		· · · · · · · · · · · · · · · · · · ·
March 200?		

For Office	Use Only	ID#	
------------	----------	-----	--

Resident Location		
Name(s): Bethy	T. Blachwell J.	
Address: 504	1 2	
Phone Number: (6)	81271-2067	(Daytime) (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?		No
Consent to sample property. If no, why did they refuse?		No
Resident Information		
Number of residents: 7 Number of Children: 9 Recent fill: Garden:	If so, ages 5, + 13	
Explain:	· · · · · · · · · · · · · · · · · · ·	
Additional Comments		
March 2002		

For Office	Use Only ID #	
------------	---------------	--

Resident Location		
Name(s)	relations.	
Address: 50	4 Gray Fire. F. ST.	Louis
Phone Number:		(Daytime) (Evening)
Access Information		
Consent to XRF propert If no, why did they refu		No
Consent to sample property of the consent to sample property.	· ——	_ No
Resident Information		
		n radder Twins
Explain: _		
Additional Comments	ve permission bet your	
March 2002		

For Office Use Only ID# _	
---------------------------	--

Resident Location		
Name(s):	best Chapman	d. 1—— # 144, 1——
Address:	509 Gray Blud	
Phone Number:	509 Gray Blud 874 - 5355	(Daytime (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes	No
Consent to sample property? If no, why did they refuse?	YesYes	No
Number of residents: Number of Children: Recent fill: Garden:	If so, ages	
Explain:		
Additional Comments		
March 200'		

For Office Use Only ID #	For	Office	Use (Only	ID#	
--------------------------	-----	--------	-------	------	-----	--

Resident Location		
Name(s):	Gregory Monigan	
Address:	513 Gray Blod	
Phone Number:		(Daytime (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes No	
Consent to sample property? If no, why did they refuse? _	YesNo	
Resident Information Number of residents: Number of Children: Recent fill: Garden: Explain: Additional Comments	If so, ages 12 6	

March 2002

Ms Foster	
5	_ (Daytime)
Yes No Yes No	_ (Evening)
If so, ages <u>6 - 4</u>	
ghe thinks the kills have born	- SCRUR
	515 Gray Blvd 618/394-8557 YesNo

For Office	Use Only ID#	
------------	--------------	--

Resident Location		
Name(s):	Spencer Brewir	
Address	527 Gray Blu	d
Phone Number:	875-0915	(Daytime
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes	No
Consent to sample property? If no, why did they refuse?	Yes	No
Resident Information Number of residents: Number of Children: Recent fill: Garden: Explain:	If so, ages	
Additional Comments		
March 2002		

For Office Use Only ID#	
-------------------------	--

Resident Location		Nalvina	Harlen	
Name(s):)	(7 UFTEN	
Address		535 6my 271 -01		
Phone Number:		271 - 09	191	(Daytime) (Evening)
Access Information		/		
Consent to XRF property of no, why did they ref	-	Yes	No	
Consent to sample pro If no, why did they ref		Yes	No	
Resident Information	$\overline{}$			
Number of residents: Number of Children: Recent fill: Garden:		If so, ages		
Explain:				····
Additional Comment	<u>s</u>			
March 2002				

For Office	Usc	Only	ID	#	
------------	-----	------	----	---	--

Resident Location					
Name(s):	_Cu	17:5	Johner		
Address:	536	Gray	Blvd	, E. St. 1	-ouis
Phone Number:					ATT
Access Information					
Consent to XRF prop If no, why did they re	•		Yes	No	
Consent to sample pr If no, why did they re			Y_Yes	No	
Resident Information	<u>on</u>				
Number of residents: Number of Children: Recent fill: Garden:		If so,	ages		
Explain:	·				
Additional Commen	<u>nts</u>				
	 			·	
	- -				
March 2002					

For Office	Use	Only	ID#	_
------------	-----	------	-----	---

Resident Location	i// (, 1		
Name(s):	Manie Snith		
A.ddress:	541 -543		
Phone Number:	27//5232		_ (Daytime) _ (Evening)
Access Information			
Consert to XRF property? If no, why did they refuse?	Yes	No	
Consent to sample property? If no, why did they refuse?	Yes	No	
Resident Information			
Number of residents: Number of Children: Recent fill: Garden:	If so, ages		
Explain:			
Additional Comments			
			
March 2002			

For	Office	Use	Only	ID#	

Resident Location	, 1	c i A	-1 i i	/ [
Name(s):	Undre	Howard	Thick	1/4
Address:	549 G	jay		
Phone Number:				_ (Daytime) _ (Evening)
Access Information	1		,	
Consent to XRF profif no, why did they i	-	✓ Yes	No	
Consent to sample p	roperty?	Yes	No	
Number of residents Number of Children: Recent fill: Garden: Explain:	. 4	If so, ages	9	
Additional Comme	nts			
March 2002				

For Office	Use Only H	D#
------------	------------	----

Resident Location	Maury h	i. RD M
Name(s):	1760.7	V 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Address	550	
Phone Number:	271 -7122	(Daytime) (Evening)
Access Information	/	
Consent to XRF property? If no, why did they refuse?	Yes	No
Consent to sample property? If no, why did they refuse? _	Yes	No
Resident Information Number of residents: 2 Number of Children: 2 Recent fill: 3 Garden: 4 Explain: 4	If so, ages	
Additional Comments	2 B.y Rotaellers	
March 2002	<u> </u>	

For Office	Use Onl	y ID#	

Resident Location	. 1	
Name(s):	4 Mª Henry	
Address: <u>553</u>	Gray Blud.	
Phone Number: 6 1	8-274-4184	(Daytime) (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	YesNo	
Consent to sample property? If no, why did they refuse?	YesNo	
Resident Information		
Number of residents: Number of Children: Recent fill:	If so, ages	
Garden:	NA	
	. ,	
Additional Comments		

March 2002

For Office	Use Only ID#	
------------	--------------	--

Resident Location				
Name(s):		Parbain Brown		
Address:		389 6124 394 - 0051	C-(tex)	
Phone Number:		394 - 0051	Silters Howse	_ (Daytime _ (Evening)
Access Information		/		
Consent to XRF proportions, why did they re	-	Yes	No	
Consent to sample pro If no, why did they re	_	Yes	No	
Resident Information Number of residents: Number of Children: Recent fill: Garden: Explain:	<u>3</u> 	If so, ages		
.				
Additional Comment	<u>!s</u>			
March 2002				

For Office	Use	Only	ID	#	
------------	-----	------	----	---	--

Resident Location				
Name(s):		orothy White		
Address:	565	Gray Flord.		
Phone Number:				
Access Information				
Consent to XRF prop If no, why did they re	-	<u>X</u> Yes	No	
Consent to sample pro If no, why did they re		<u>X</u> Yes	No	
Resident Informatio	<u>n</u>			
Number of residents: Number of Children: Recent fill: Garden:	1 0 0 0	If so, ages		
Explain:				<u>-</u>
Additional Commen	<u>ıts</u>			
	 -			
	 			
	-			
March 2002	_			····

For Office	Use Only	ID#
------------	----------	-----

Resident Location				
Name(s):	Stephunie Tibbs			
Address: Phone Number:	572 Gray 874 - 4730	_ (Daytime)		
		_ (Evening)		
Access Information	CAILLEN Yes No	N/A		
Consent to XRF property? If no, why did they refuse?				
Consent to sample property If no, why did they refuse?		NV		
Resident Information				
Number of residents: 5 Number of Children: Recent fill: Garden:				
Explain:				
Additional Comments	Spoke to Luson			

March 2002

For Office	Use (Only I	D#	

Resident Location		
Name(s):	Mary Huges	
Address:	578 GRAY	
Phone Number:	771-1284	(Daytime) (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes	_ No
Consent to sample property? If no, why did they refuse?	Yes	_ No
Resident Information Number of residents: Number of Children: Recent fill: Garden: Explain:	If so, ages	
Additional Comments	CAIL PABOUT Grands	9 N
	poperat has to	
March 2002	· v	

For Office	Use	Only	ID#	
------------	-----	------	-----	--

Resident Location		
Name(s):	Nerma Monigan	
Address:	580 Gray Blod	
Phone Number:	(Dayting)	•
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes No	
Consent to sample property? If no, why did they refuse?		
Resident Information		
Number of residents: 4 Number of Children: 3 Recent fill: Garden:	If so, ages	
Explain:	Blood Levels Screened Normal	<u>!</u>
Additional Comments		

March 2062

For Office	Use Only	/ ID#	
------------	----------	-------	--

Resident Location		1
Nam=(s):	allen Trisueca	Allen
Address: 583	Gray	
Phone Number:		(Daytime) (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	✓ Yes	No
Consent to sample property? If no, why did they refuse?	<u>V</u> Yes	No
Resident Information Number of residents: Number of Children: Recent fill: Garden: Explain:	If so, ages	
Additional Comments	122d Esad anolfon	s in Lone
March 2002	· · · · · · · · · · · · · · · · · · ·	

For	Office	Usc	Only	ID#	

Kesident Loca	111011				
Name(3):	ORGY	L. MOOR	7		
Address:	585	GRAY	Blud	/ E. St. J	ouis, Ill.
Phone Number	:: 618 <u>-814</u> -	3715			(Daytime) (Evening)
Access Inform	<u>ation</u>				
Consent to XRI			es 	No	
Consent to sam If no, why did to			es 	No	
Number of resident fill: Garden:	dents:l ldren:	If so, ages			
Explain	: 				
Additional Con	mments				
March 200?					

For Office Use Only ID#

Resident Location		,
Name(s):		<u> </u>
Address:	500 6.	
Phone Number:	271 - 0745	(Daytime) (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes	No
Consent to sample property? If no, why did they refuse?	Yes	No
Resident Information Number of residents: Number of Children: Recent fill: Garden: Explain:	If so, ages	
Additional Comments		
March 2002		

For Office	Use Only	ID#	

Resident Location		
Name(s): Keun	B Ball	
Phone Number: 61	8-2743979	(Daytime) (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	<u>X</u> Yes	No
Consent to sample property? If no, why did they refuse?	Yes	No
Resident Information Number of residents: Z Number of Children: Z	If so, ages	
Recent fill: Garden:	50, 4500	
Explain:		
Additional Comments Call with Letter	results, but i	may ned send
March 2002		

For Office	Use Only II	O#
------------	-------------	----

Terry	Morgany		
618	274-4184		_ (Daytime _ (Evening)
•	<u></u> → Yes	No	
	<u> </u>	No	
	If so, ages		
<u>ts</u>	Ju		
	53	618 274 - 4184 erty?	618 274 - 4184 erty?

For Office	Use	Only	ID#	
------------	-----	------	-----	--

Resident Location		
Name(s): $\int h \propto c$	valule Hei del berg	
Address:	505 Gruy	
Phone Number:	<i></i>	(Daytime) (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	YesYes	No
Consent to sample property? If no, why did they refuse?	_\Yes	No
Number of residents: Number of Children: Recent fill: Garden: Explain:	If so, ages	10
Additional Comments		
March 2002		

For Office	Use Only I	D#
------------	------------	----

Resident Location		
Name(s):	EARIN Colemn	
Address:	555 6 rug	
Phone Number:	271-6657	(Daytime)
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes	No
Consent to sample property? If no, why did they refuse?	Yes	No
Number of residents: / Number of Children: Recent fill: Garden: Explain:	If so, ages	
Additional Comments MRKit back up	She will leave when shirted	De Gate un locked
March 200.2		

For Office	Use Only ID#	
------------	--------------	--

Resident Location	√' cl	
Name(s):	Tisha Hurthy	
Address: Phone Number:	43/ 6 kg y 77/ - 7182 (EII # 314/69/ - 00//	(Daytime) (Evening)
Access Information		
Consen: to XRF property? If no, why did they refuse?	Yes	No
Consent to sample property! If no, why did they refuse?	Yes	No
Number of residents: 4 Number of Children: Recent fill: Garden: Explain:	If so, ages 17 23	
Additional Comments March 2002		

For	Office	Usc	Only	· ID#	
			•		

Resident Location		
Name(s):	Jimnie Royan	
Address:	548 GRAY	
Phone Number:	274 - 7362	(Daytime)
Access Information	1	
Consent to XRF property? If no, why did they refuse?		No
Consent to sample property If no, why did they refuse?		No
Resident Information Number of residents: 5	~ u0	1 <i>R</i> 1
Number of Children: 3 Recent fill: Garden:	If so, ages	17, 79
Explain:		
Additional Comments		
March 2002		

For Office	Use Only I	D#
------------	------------	----

Resident Location	- 1		
Name(s):	curethy Bell		
Address:	552 6mg		
Phone Number:	271 -1895		_ (Daytime) _ (Evening)
Access Information			
Consent to XRF property? If no, why did they refuse?	Yes	No	
Consent to sample property? If no, why did they refuse?	Yes	No	
Resident Information Number of residents: Number of Children: Recent fill: Garden: Explain:	If so, ages		
Additional Comments			
March 2062	· · · · · · · · · · · · · · · · · · ·		

For Office	Use Only	ID#
------------	----------	-----

Resident Location		
Name(s):	Excell Ferris	
Address:	560 Gruy 271-7296	
Phone Number:	271-7296	(Daytime (Evening)
Access Information		
Consent to XRF property? If no, why did they refuse?	Yes	No
Consent to sample property? If no, why did they refuse?	Yes	No
Resident Information Number of residents:	If so, ages	
Additional Comments		
March 2002		

Joseph:

5-22-02

Lisvoise Motarlow Residing
25 424 Dray Block E. St.

Louis, Ill. 62805 do agree

to have soil samples taken

from the Property listed above.

This Property.

Lurvoice Motarbul 424 Gray Blod E. St. Louis \$162205 618-271-9608

4

Į.

t HM

n. .10